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1891/92

ANNOUNCEMENT
OF THE
TWENTY-NINTH ANNUAL COURSE OF LECTURES
OF THE
MEDICAL DEPARTMENT,
UNIVERSITY OF CALIFORNIA,
FEB 26 1931
WITH
UNIVERSITY OF ILLINOIS
CATALOGUE OF STUDENTS AND GRADUATES.
1892.

*Alumni of the Medical Department of the University, and others desiring to receive
the Announcement regularly, are requested to send their names
and addresses to the Dean.*

SACRAMENTO:
STATE OFFICE, : : : A. J. JOHNSTON, SUPT. STATE PRINTING.
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UNIVERSITY OF CALIFORNIA.

BOARD OF REGENTS.

EX OFFICIO REGENTS.

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DAVID KERR, ESQ.....	47-49 Beale Street, SAN FRANCISCO.
<i>President of the Mechanics' Institute.</i>	
MARTIN KELLOGG, A.M.....	BERKELEY.
<i>Acting President of the University.</i>	

APPOINTED REGENTS.

NAME.	ADDRESS.	TERM EXPIRES.
REV. HORATIO STEBBINS, D.D., -	1609 Larkin St., S. F., - - -	1894.
CHESTER A. ROWELL, M.D., -	Fresno, - - - - -	—.
HON. J. WEST MARTIN, - - -	Union Savings Bank, Oakland,	1898.
ANDREW S. HALLIDIE, ESQ., -	9 Fremont St., S. F., - - -	1908.
HON. WILLIAM T. WALLACE, -	799 Van Ness Ave., S. F., - -	1902.
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HON. TIMOTHY GUY PHELPS, -	Custom House, S. F., - - -	1896.
ISAIAS W. HELLMAN, ESQ., -	Nevada Bank, S. F., - - -	1902.
GEORGE T. MARVE, JR., LL.B., -	234 Montgomery St., S. F., -	1898.
ARTHUR RODGERS, B.S., Ph.B., -	309 Montgomery St., S. F., -	1906.
GEORGE J. AINSWORTH, Ph.B., -	Redondo, - - - - -	1900.
DELPHIN M. DELMAS, A.M., LL.B.,	310 Pine St., S. F., - - -	1900.
ALBERT MILLER, ESQ., - - -	532 California St., S. F., -	1906.
COLUMBUS BARTLETT, ESQ., -	14 Sansome St., S. F., - - -	1896.
CHARLES F. CROCKER, ESQ., -	Cor. Fourth and Townsend Sts., S. F., - - - - -	1904.
JAMES F. HOUGHTON, C.E., -	Cor. Sansome and California Sts., S. F., - - - - -	1904.

Regular meetings of the Board of Regents are held seven times a year, viz.: in San Francisco, on the first Tuesday in August, in October, in December, in February, in April, and in June; in Berkeley, on the day preceding commencement in the College of Letters and the Colleges of Science.

UNIVERSITY OF CALIFORNIA.

MEDICAL DEPARTMENT.

FACULTY.

MARTIN KELLOGG, A.M., President *pro tem.* of the Academic Senate.

G. A. SHURTLEFF, M.D., Emeritus Professor of Mental Diseases and Medical Jurisprudence.

R. BEVERLY COLE, A.M., M.D., M.R.C.S., Eng., Professor of Obstetrics and Gynecology.

W. F. McNUTT, M.D., M.R.C.P., Edin., etc., Professor of Principles and Practice of Medicine.

ROBERT A. McLEAN, M.D., Professor of Clinical and Operative Surgery, Dean.

W. E. TAYLOR, M.D., Professor of Principles and Practice of Surgery.

A. L. LENGFELD, M.D., Professor of Materia Medica and Medical Chemistry.

BENJ. R. SWAN, M.D., Professor of Diseases of Children.

GEORGE H. POWERS, A.M., M.D., Professor of Ophthalmology and Otology.

WM. WATT KERR, A.M., M.B., C.M., Professor of Clinical Medicine.

ARNOLD A. D'ANCONA, A.B., M.D., Professor of Physiology.

DOUGLASS W. MONTGOMERY, M.D., Professor of Pathology and Histology.

WASHINGTON DODGE, M.D., Professor of Therapeutics.

JOHN M. WILLIAMSON, M.D., Professor of Anatomy.

GEO. H. F. NUTTALL, M.D., Ph.D. (Göttingen), Special Lecturer on Bacteriology.

JOHN W. ROBERTSON, A.B., M.D., Lecturer on Nervous and Mental Diseases.

FELIX LENGFELD, Ph.G., Ph.D., Lecturer on Chemistry.

GEO. F. SHIELS, M.D., F.R.C.S.E., Lecturer on Hygiene and Medical Jurisprudence.

CHAS. A. VON HOFFMAN, M.D., Lecturer on Gynecology.

DEMONSTRATORS AND ASSISTANTS.

J. HENRY BARBAT, Ph.G., M.D., Demonstrator of Anatomy.

H. N. WINTON, M.D., Assistant to the Chair of Materia Medica and Medical Chemistry.

SAMUEL P. TUGGLE, M.D., Assistant Demonstrator of Anatomy.
W. E. HOPKINS, M.D., U. S. A., Assistant to the Chair of Ophthalmology and Otology.
JOHN C. SPENCER, A.B., M.D., Assistant to the Chair of Pathology and Histology.
CAMPBELL FORD, M.D., Assistant to the Chair of Physiology.
JOHN M. SIMS, M.D., Assistant Demonstrator of Anatomy.

COLLEGE DISPENSARY STAFF.

Medicine—

WASHINGTON DODGE, M.D.
F. W. D'EVELYN, M.B., C.M.

Surgery—

JOHN F. MORSE, M.D.
JOHN M. WILLIAMSON, M.D.

Ophthalmology and Otology—

W. E. HOPKINS, M.D., U. S. A.

Gynecology—

CHARLES A. VON HOFFMAN, M.D.

Cutaneous and Venereal Diseases—

DOUGLASS W. MONTGOMERY, M.D.

Apothecary—

J. J. KEEFFE, Ph.G.

ROBERT A. McLEAN, M.D., Dean,
603 Merchant Street, corner of Montgomery,
San Francisco, Cal.

CALENDAR.

THE PRELIMINARY TERM of 1892 will open on Monday, February 29th, and close on Saturday, May 14th.

THE REGULAR TERM will open on Wednesday, June 1st, and close on Wednesday, November 30th.

THE MATRICULATION EXAMINATIONS will be held at the College building on February 29th and June 1st.

THE DIDACTIC LECTURES are delivered at the College building (Toland Hall), Stockton Street, below Chestnut, San Francisco.

THE CLINICAL LECTURES are delivered at the City and County Hospital, Twenty-second Street and Potrero Avenue.

THE DISPENSARY CLINICS are held opposite the City and County Hospital.

THE ANNUAL COMMENCEMENT for conferring the Degree of Doctor of Medicine will be held early in December, in San Francisco.

TWENTY-NINTH ANNUAL COURSE OF INSTRUCTION.

SESSION OF 1892.

The Medical Department of the University of California was organized in 1872 as an integral part of the State's educational center. It was among the first to adopt the higher standard of medical education; having, as early as 1875, instituted a three years' course and graded studies, and in 1885 an examination for admission to the College.

The changes introduced into the curriculum of this school, and now in force, may be summarized as follows:

1. **Increase of the Time of Study to Three Years.**—Three regular courses of lectures of six months each, attended through three several years, are required before the student can present himself for graduation. Students are also required to attend the clinics regularly throughout the term, and Senior students to attend the preliminary term.

2. **Yearly Examinations.**—At the close of each session, examinations are held to determine the progress of the student during the year past, his advancement depending on the result of such examinations.

3. **Graded Studies.**—By this arrangement the student is thoroughly drilled in the elementary subjects before proceeding higher. He is, however, expected to attend all the lectures, giving most of his hours of study to the subjects allotted to his own year.

The following are the subjects apportioned to each year's studies:

First Year. Anatomy, Physiology, Histology and Microscopy, Materia Medica and Medical Chemistry, Pharmacy, Dissections, Dispensary and Laboratory Work. Examinations at the end of the first year in Pharmacy and Laboratory Work, Anatomy, Physiology, and Histology.

Second Year. Anatomy, Physiology, Materia Medica and Medical Chemistry, Principles and Practice of Medicine, Principles and Practice of Surgery, Therapeutics, Histology and Pathology, Obstetrics, Clinical Medicine, Clinical Surgery, Hygiene and Medical Jurisprudence, Dissections, Dispensary Clinics.

At the end of the second year final examinations will be held in Descriptive Anatomy, Physiology, Histology, Materia Medica and Medical Chemistry, and Hygiene and Medical Jurisprudence. Students failing to pass in any of these subjects will be conditioned until the beginning of the next preliminary term. No student will be admitted to the Senior

class until he has passed a satisfactory examination in all of the above-named studies.

Third Year. Principles and Practice of Medicine, Principles and Practice of Surgery, Obstetrics, Gynecology, Therapeutics, Clinical Medicine, Clinical Surgery, Mental Diseases, Pathology, Diseases of Children, Ophthalmology and Otology, Surgical Anatomy, Special Clinics.

Graduates of this College, and those holding certificates of attendance upon lectures, are credited for the full time of their medical studies by the Royal College of Surgeons of England, Royal College of Surgeons of Edinburgh, and the Faculty of Physicians and Surgeons of Glasgow, providing they present certificates of having passed successfully the entrance examination to the College of Letters of this University, or some other recognized college or university.

LOCATION.

While the several other Colleges of the State University are clustered at Berkeley, its Medical Department is, for obvious reasons, situated in San Francisco. The Medical College building, known as "Toland Hall," in honor of its illustrious founder, is one of the most complete and stately in the country. It is located near North Beach, overlooking the Golden Gate, a locality favoring the health and industrious habits of the students.

The Lecture Hall of the College is capable of seating five hundred persons; the Clinical Amphitheater is about equally as capacious; the Museum contains an extensive collection of specimens and preparations; the Dissecting-Room is fitted up with all the modern improvements; the Laboratory is replete with all chemicals and apparatus necessary for practical teaching. Apartments in the building are set apart for laboratory work, and a commodious reading-room is also provided.

The College stands near the terminus of the Omnibus line of street cars, the North Beach and Mission line, and the Powell Street cars.

THE COLLEGIATE YEAR.

Contrary to the custom of Eastern Medical Colleges, the lectures in this school are delivered in the spring and summer months. The peculiar climate of San Francisco renders spring and summer far the preferable season for prosecuting medical studies; hence the sessions are held from March to December. During this period, and indeed largely throughout the other months of the year also, cool trade winds blow across the city daily, moderating the temperature, and particularly favoring the study of practical anatomy and necroscopy. The student in this city enjoys rare natural advantages for the healthful pursuit of his labors, such a contingency as his detention from lectures or clinics by stress of weather being absolutely unknown.

The College year is divided into two terms: The Preliminary or Spring Term, and the Regular or Summer Term.

THE PRELIMINARY TERM commences February 29th and ends May 14th. During this term subjects are dwelt upon that do not receive the full meed of attention during the Regular Term. Clinics proceed at the Hospital and College as during the Regular Term. The Dissecting-Room is open for practical work. All students are expected to attend this course, although such attendance is not compulsory, except to members of the Senior class.

THE REGULAR TERM begins on Wednesday, June 1st, and terminates on Wednesday, November 30th. During this term all the branches of medicine and surgery are taught, didactically and clinically. Regular clinics are held three days each week, at the City and County Hospital, where the Professors of the Clinical Chairs have charge of wards and possess every advantage for the instruction of students; clinics are also held at the College Dispensary. Lectures are given daily by the Professors, and evening recitations are held several times a week.

METHODS OF INSTRUCTION.

The course of studies pursued at this school comprises Clinical, Didactic, and Laboratory teaching. Special prominence is given to the first, although it is endeavored that the three methods shall be so blended as to form one harmonious whole.

CLINICAL TEACHING.

In Clinical Teaching, the plan pursued by the several Clinical Professors has for its aim the actual confronting of the student with the phenomena of disease, that the senses of sight, hearing, and touch may be trained to aid in forming a correct diagnosis.

The facilities for clinical studies open to the students of the University have been largely increased. Full access is given to the City and County Hospital, a complete and modern structure containing five hundred beds, and presenting for observation perhaps every known form of disease, including those peculiar to tropical and South America. The staff of the Hospital is largely drawn from the Faculty of the University, giving them unusual advantages for developing clinical material. The Professor of Clinical Surgery has charge of three surgical wards (thirty-two beds in each), the Professor of Clinical Medicine two wards, the Professor of Obstetrics and Gynecology and the Professor of Ophthalmology, one ward each. Autopsies are conducted three times a week in the Mortuary by the Pathologist. A large operating theater has been erected, where the major and minor operations of surgery are performed in view of the class. Operating days are Tuesday and Saturday. The Hospital is situated at the junction of Twenty-second Street with Potrero Avenue, and is accessible from the North Beach and Mission cars, the Omnibus, the Mission Street, and the Valencia Street lines.

HOSPITAL CLINICS.

Clinical Surgery.—Professor McLean delivers clinical lectures on Practical and Operative Surgery, at the City and County Hospital, on Tuesdays, Thursdays, and Saturdays, throughout the session. Especial attention is given, in a ward devoted to the purpose, to the conduct of disorders of the genito-urinary organs and venereal diseases. A course of Minor Surgery is also given. Instruction in this branch includes the application of bandages and the various dressings used in treating wounds, fractures, dislocations, etc.

Clinical Medicine.—Prof. W. W. Kerr will deliver a course of lectures on Clinical Medicine at the same Hospital each Tuesday, Thursday, and Saturday. The course of study will consist in the demonstration of cases illustrating the different phases and peculiarities which disease assumes, the examination of patients at the bedside by the student under the guidance of the professor, together with the instruction in all those details which qualify the student to discharge his duty agreeably and efficiently in the sick-room.

Gynecology and Practical Midwifery.—Prof. R. Beverly Cole holds a Thursday clinic, including a course of instruction in Operative Gynecology, the use of instruments, appliances, etc. He will also devote a portion of his lectures to Clinical Midwifery, taking as illustrations such cases of interest as may occur in the lying-in ward from time to time. The Senior students will each, in rotation, have opportunities for the study of Practical Obstetrics at the bedside.

Ophthalmology and Otology.—Professor Powers will deliver one didactic lecture a week during the course, covering the subjects of the Eye and Ear, Larynx, Pharynx, Naso-Pharynx, and Nasal Cavities. These lectures will be illustrated by models, charts, and blackboard drawings. He will also conduct two clinics a week at the City and County Hospital, where, in addition to operative and severe cases, he has a large outpatient clinic, including many children, with many illustrations of cases as they appear in daily practice. At these clinics the third-year students are required, in turn, to keep the record of the cases, with a view to cultivating a habit of case-writing. Once in two weeks Professor Powers has an evening "Quiz" for the third-year students, which is conducted in turn by the students themselves, under the personal supervision of the professor.

DIDACTIC TEACHING.

A brief outline of the course pursued by the several departments will be found in the following summary:

Surgery.—Professor Taylor delivers two lectures each week on the art and science of Surgery. The more recent views on the management of surgical conditions, and the appliances devised for their relief, are particularly dwelt upon and illustrated with drawings and models when necessary. The course will include a series of lectures upon Operative Surgery, with demonstrations on the cadaver. The students will be drilled in the manipulation of instruments used in the various operations.

Practice of Medicine.—Prof. W. F. McNutt presents in his lectures the principles and practice of medicine in its modern aspects. He gives a description of the different diseases, their etiology, pathology, symptoms, diagnosis, prognosis, and treatment. The various pathological changes are demonstrated by means of plates, preparations, and recent specimens of diseased parts.

Obstetrics.—The science and art of Obstetrics are taught by Prof. R. Beverly Cole. His lectures are fully illustrated by the use of colored plates and drawings, prepared specimens, and the manikin. The principal obstetric operations are performed on the cadaver in presence of the class.

Physiology.—The lectures in this department by Professor D'Ancona embrace a consideration of both general and special Physiology, including all that has been developed up to the present time, and are illustrated by a complete series of colored drawings, prepared exclusively for these lectures; besides which, the large collection of preparations and drawings of the Scientific Department at Berkeley are at the command of the professor. Vivisections are practiced when necessary.

The course embraces the lectures of two years, one year being devoted to the physiology of the nervous system and reproduction, the other to nutrition, respiration, circulation, etc.

Dr. Campbell Ford, Assistant to the Chair of Physiology, will conduct a special quiz two days each week throughout both the Preliminary and Regular Terms, for members of the Freshman class.

Therapeutics (Medical and Surgical).—The lectures in this department, by Professor Dodge, will explain the physiological actions and therapeutic indications of all agents, medical and surgical, used for the cure, alleviation, or prevention of diseases. The action of drugs will be shown by practical demonstration upon living animals.

Materia Medica and Medical Chemistry.—Prof. A. L. Lengfeld, in his course, will deliver two lectures each week, devoting special attention to that part of Chemistry which pertains more particularly to Medicine Pharmacy. The lectures will be abundantly illustrated by experiments, all necessary philosophical and chemical apparatus being employed for this purpose. The nature, origin, physical and chemical properties of the various remedies officinal in the United States Pharmacopœia will be fully elucidated. The cabinet of Materia Medica, which contains the important as well as the new and rare drugs and pharmaceutical preparations employed in medicine, will be used to illustrate the lectures. Special attention will be given to Toxicology and Prescription Writing.

The Preliminary Term will be occupied with a course of lectures upon Urine Analysis.

Practical Chemistry.—The Chemical Laboratory has been thoroughly refitted with the newest and most improved apparatus. Each student is provided with a separate table and set of apparatus and reagents, and performs individually all experiments.

Dr. H. N. Winton, Assistant to the Chair of Materia Medica and Medical Chemistry, will conduct a systematic and practical course in Experimental Chemistry, Qualitative Analysis, and the analysis of Urine, Milk, and Poisons.

I. *First Year.* Each student will perform a series of experiments, in which he will develop the main principles of the science of Chemistry treated of in the lectures, and become familiar with the physical and chemical properties of the elements and their compounds. Qualitative Analysis will form a part of this course.

II. *Second Year.* The most approved methods of examining milk and the urine, analytically and microscopically, will be performed by each student. The use of the polariscope, microscope, ureameter, etc., will be fully taught. The course in Toxicology will include an extensive range of testing for the various poisons commonly met with in practice.

A weekly quiz will be given in the work done in the laboratory, and the course will conclude with a practical examination.

Anatomy.—Professor Williamson's lectures on Anatomy are illustrated by the cadaver, and by both wet and dry preparations, models, manikins, and drawings, and include a course on general, special, topographical, and surgical Anatomy. The Dissecting-Room is spacious, well ventilated, lighted from above, and provided with every convenience. It is open throughout the year, under the superintendence of the Professor and Demonstrator of Anatomy. A supply of material is always procurable at small cost. When dissections are conducted in a diligent manner, the student is furnished with certificates stating the amount and part dissected. One of the Demonstrators will be present daily in the Dissecting-Room, so that students will receive the proper attention and assistance. During the Preliminary Term a course of lectures will be delivered upon Surgical Anatomy.

During the regular term, Dr. J. H. Barbat, Demonstrator of Anatomy, will conduct a special quiz for members of the Freshman class upon the subject of Osteology.

Gynecology.—This subject is taught didactically and clinically by Professor Cole and Dr. Von Hoffman. The use of gynecological instruments is carefully shown, and the several procedures explained by means of colored charts, diagrams, and manikins.

Hygiene.—The importance now attaching to the science of Hygiene induced the Regents and Faculty to give it a place in the curriculum of the school. The instruction in this department will be in charge of Dr. George F. Shiels. In connection with this department a special course of lectures will be given upon Medical Jurisprudence.

Diseases of Children.—Professor Swan will devote one hour each week to this subject, illustrating his lectures by notes drawn from an unusually large experience in the management of diseases peculiar to children.

Nervous and Mental Diseases.—The instruction for the Preliminary Term, in addition to the regular lectures on the Medical Jurisprudence of Insanity, will include a course on Alcoholism and the Narcotics, together with a discussion of the localization of lesions of the nervous system.

These lectures will be illustrated by specially prepared plates and diagrams, showing the results of the most recent investigations. It is intended to further illustrate this subject by demonstrations of normal and pathological brains and spinal cords.

Functional nervous diseases, including the various phases of Hysteria and Hypnotic conditions, will receive special attention. The instructions in both functional and organic diseases of the nervous system will be supplemented by clinical lectures and demonstrations. It is intended that the students shall further familiarize themselves with the pathological appearance of nervous tissue, not only by observing sections already prepared, but by actual work in the laboratory, where section cutting, staining, and slide mounting will be taught.

In addition to the regular lectures on Insanity, visits will be made to the various city and State institutions for the care of the insane, so as to acquaint the students more thoroughly with the characteristic features of this disease.

This subject is taught by Dr. Robertson, late Assistant Physician of the State Asylum for the Insane at Napa.

Histology and Pathology.—Prof. D. W. Montgomery will strive to make this course as practical as possible. Sections of normal tissues and diseased organs ready for mounting will be given to the students, so that they may become familiarized with the methods of preparing specimens for examination. In this way the general principles of normal growth and development, and the operation of pathological laws, will be illustrated and fixed in the mind of the student. The use of the microscope as an aid to diagnosis in the examination of sputum, urine, blood, etc., will also be, in this way, illustrated as opportunity arises.

Dr. J. C. Spencer, Assistant to the Chair of Pathology and Histology, will conduct a course on Normal Histology and Histological Technique, beginning with the tissues and going on to the structure of the organs, fitting the student for the study of Practical Pathology.

Bacteriology.—During the Regular Term, Dr. George H. F. Nuttall, Associate Professor of Bacteriology in Johns Hopkins University of Baltimore, will deliver a course of lectures upon the subject of Bacteriology. The eminent position of Professor Nuttall as a writer and original investigator in this important branch of medical science, bespeaks the incalculable advantage to be derived from his instruction. These lectures will be illustrated by original cultures and slides prepared by Professor Nuttall personally. If possible, the lectures will be delivered under the University Extension System, in which case the profession at large and such of the general public as may be interested in medical progress will have an opportunity to attend.

HOSPITAL APPOINTMENTS.

The position of Interne, or House Physician and Surgeon, in the City and County Hospital, is open each December to four members of the graduating class who recommend themselves to the Faculty by their diligence and general fitness for the appointments. Internes receive their board and lodging for one year, and secure opportunities for accumulating an invaluable experience in every field of Medicine and Surgery.

On completion of the term of service, a certificate is issued by the San Francisco Board of Health and the authorities of the City and County Hospital, as evidence of the faithful performance of the required duties.

Students of the Senior class desiring these appointments are required to make application in writing to the Dean at least two weeks before the close of the session.

The City Receiving Hospital is open to students and graduates of this institution. In this hospital an excellent opportunity is afforded for experience and emergency work.

Several of the private hospitals in the city provide positions on the house staff, which are open to graduates of this College, viz.:

St. Mary's Hospital, St. Luke's Hospital, U. S. Marine Hospital, La Maison de Santé (French Hospital), German Hospital, and the Hospital for Children.

Assistants to the staff of the San Francisco Polyclinic are also appointed from the graduates of this institution.

DISPENSARY CLINICS.

The Faculty has organized a Free Dispensary Clinic, which is held at the corner of Potrero Avenue and Twenty-second Street, directly opposite the City and County Hospital. Clinics are held daily, the proximity to the Hospital insuring an abundant supply of material.

The advantage of an out-patient clinic lies in the fact that the class of cases presented for observation is, to a great extent, that seen in office practice. Combined with hospital work, the Dispensary Clinic forms an invaluable system of practical training for the student.

POST-GRADUATE MEDICAL COLLEGE.

The Board of Regents has established a Post-graduate Medical College in connection with the Medical Department of the University. The College will be open for the reception of students by the beginning of the next Regular Term, June 1, 1892. A special prospectus of the Post-graduate College will soon be issued.

HOSPITAL APPOINTMENTS FOR 1892.

CITY AND COUNTY HOSPITAL:

CHARLES R. BLAKE, M.D.

PHILIP COLLISCHONN, M.D.

EDWARD LAGAN, M.D.

JOSEPH L. MILTON, M.D.

SAN FRANCISCO POLYCLINIC:

EDWARD P. DRISCOLL, M.D.

WILLIAM T. KIRBY, M.D.

JOHN M. MACDONALD, M.D.

JAMES J. MOLONY, M.D.

FRANK B. PETRIE, M.D.

UNITED STATES MARINE HOSPITAL:

ARTHUR W. DUNBAR, M.D.

JAMES K. WARNER, M.D.

ST. LUKE'S HOSPITAL:

CLARK J. BURNHAM, M.D.

GERMAN HOSPITAL:

HENRY B. A. KUGELER, M.D.

ST. MARY'S HOSPITAL:

CHARLES C. MOHUN, M.D.

HOSPITAL FOR CHILDREN:

MARIE COLDITZ-OLSEN, M.D.

MAISON DE SANTÉ:

LOUIS P. OVIÉDO, M.D.

MATRICULATION EXAMINATION.

Students desiring to matriculate are required to undergo examinations for admission, with the following exceptions, viz.:

1. Applicants who present certificates of having successfully passed the examination for admission to the College of Letters or the Colleges of Science of the University of California, or of some other recognized university or college.
2. Applicants who present diplomas or certificates of graduation from the University of California, or of some other university or college.
3. Applicants who present diplomas or certificates of graduation from recognized High Schools and Academies.
4. Applicants who present a teacher's certificate granted by a recognized City or County Board of Examiners.

5. Applicants who present a diploma or certificate of graduation from a State Normal School of California, or of any other State or Territory.

The examinations for admission are in writing, and embrace the following subjects:

ENGLISH.—A written composition, correct in spelling, punctuation, and grammar, not to exceed one page foolscap in length, upon some subject connected with American history and biography.

ARITHMETIC.—Including the metric system. The technical parts of Commercial Arithmetic, viz., banking, profit and loss, commission, taxes, duties, stocks, insurance, exchange, average of payments, will be omitted.

HISTORY of the United States and the general facts of Physical and Political Geography. Barnes' Brief History of the United States and the geographies used in the first grade grammar schools will serve to indicate the amount of knowledge expected.

PHYSICS.—The elements of the subject taught experimentally, as shown in some such work as Gay's Elements of Physics, Peck's Ganot, or Avery's Natural Philosophy.

Students who have attended one full course in any recognized regular Medical College, will, upon passing a satisfactory examination in the curriculum provided for the first year, be admitted as students of the *second course* in the University of California, provided the courses are in different calendar years.

Students who have attended two full courses in any recognized regular Medical College, will, upon passing a satisfactory examination in the curriculum provided for the second year, be admitted as students of the *third course* in this institution, provided the courses of lectures are in different calendar years.

Graduates of other regular Medical Colleges in good standing will be admitted as students of the *third course* in this institution without any examination.

Under no circumstances will a student be credited with attendance upon two courses of lectures, unless such courses have been in different calendar years.

Graduates of Pharmaceutical and Dental Colleges in good standing are admitted to the second year without examination.

Theological and Law Students will be admitted to special lectures without examination.

The matriculation examinations will be conducted at the College building on February 29th and June 1st.

No graduate of any Medical College having a course of less than three years will be admitted to the third course in this institution, without passing a satisfactory examination in the curriculum provided for the second year.

Diplomas from Homeopathic, Eclectic, and other irregular schools of medicine, will not be recognized.

BOARDING.

The expense of living in San Francisco is not great. Good board with room-rent may now be procured at the low rate of five dollars per week, at a convenient distance from the College building. Students from a distance may learn the address of these boarding-houses, and other information, by calling on the Dean of the Faculty, Dr. R. A. McLean, 603 Merchant Street, corner of Montgomery.

FEES.

Matriculation Fee (paid but once).....	\$5 00
Demonstrator's Ticket.....	10 00
Fee for the First Course of Lectures.....	130 00
Fee for the Second Course of Lectures.....	130 00
No Fee is required for the Third Course of Lectures.	
Graduating Fee	40 00

Students who have already attended two full courses of lectures in other recognized regular schools, and graduates of other recognized regular schools who will be of less than three years' standing at the end of a given session, are admitted to the full course of lectures of such session (not including Practical Anatomy) on the payment of the matriculation fee and sixty-five dollars.

Graduates of other recognized regular Medical Colleges, who have been engaged in the practice of medicine for three years, will be admitted to all didactic and clinical lectures on the payment of the matriculation fee only.

REQUIREMENTS FOR GRADUATION.

I. The candidate for the degree of Doctor of Medicine must have attained the age of twenty-one years, and be of good moral character.

II. He must have studied medicine three full years, and must have attended three regular courses of lectures in separate calendar years, the last of which must have been that of the University of California.

III. He must have passed the required examinations, written and oral.

IV. He must have pursued the study of Practical Anatomy during at least two sessions, and must present certificates of having dissected every part of the cadaver.

V. He must have paid in full the College fees, including the graduation fee.

TEXT-BOOKS AND WORKS OF REFERENCE.

ANATOMY—Gray, Holden, Weisse, Quain, Macalister, Treves' Applied Anatomy.

PHYSIOLOGY—Flint, Landois, Foster.

CHEMISTRY AND MATERIA MEDICA—Roscoe's Lessons in Elementary Chemistry; Remsen's Introduction to the Study of Chemistry; Holland's Urine, the Common Poisons and the Milk; United States Pharmacopœia; United States Dispensatory.

HISTOLOGY—Rindfleisch, Stricker.

SURGERY—Ashurst, Bryant, Agnew, Toland, Erichsen.

PRACTICE OF MEDICINE—Strumpell, Loomis, Taylor, Reynolds.

CLINICAL MEDICINE—Da Costa, Tyson, Flint.

MIDWIFERY—Leishman, Playfair, Bedford, Lusk.

GYNECOLOGY—Thomas, Emmet, Sims.

THERAPEUTICS—Bartholow, Ringer, Brunton, Wood.

OPHTHALMOLOGY—Noyes, Mittendorf.

OTOLOGY—Roosa, Burnett.

RHINOSCOPY—Bosworth, Sayons.

PEDIATRICS—Lewis Smith, Meigs and Pepper, Eustace Smith.

DERMATOLOGY—Fox, Neuman, Duhring, Gowns, Hamilton, Ross, Ranney, Starr.

MENTAL DISEASES—Clouston, Spitzka, Maudsley, Bucknell, and Tuke.

PATHOLOGY—Wagner, Delafield, Coates.

LARYNGOLOGY—McKenzie, Cohen.

HYGIENE AND MEDICAL JURISPRUDENCE—The Student's Handbook of Forensic Medicine and Medical Police, Husband; Practical Hygiene, Parkes; Manual of Medical Jurisprudence, Taylor.

PRESCRIPTION WRITING—Mann, Gerrish.

URINE ANALYSIS—Legge, Hoffman and Ultzmann.

GRADUATES, 1891.

Baker, Henry Anthony.....	Rochester, New York.
Blake, Charles Robert.....	San Francisco, California.
Burnham, Clark James.....	Folsom, California.
Collischonn, Philip.....	Oakland, California.
Driscoll, Edward Paul, Ph.G.....	San Francisco, California.
Dunbar, Arthur White.....	Cannon Falls, Minnesota.
Ford, Campbell.....	Folsom, California.
Kirby, William Thomas.....	San Francisco, California.
Lagan, Edward.....	San Francisco, California.
Macdonald, John Munroe.....	Oakland, California.
McMurdo, John R., Ph.G.....	San Francisco, California.
Milton, Joseph Leo.....	Oakland, California.
Molony, James John, Ph.G.....	San Francisco, California.
Morse, Fred. Wellington, Ph.B.....	Berkeley, California.
Olsen, Marie Colditz.....	Sweden.
Oviedo, Louis Perfecto, A.B.....	San Francisco, California.
Petrie, Frank Branson, Ph.G.....	San Francisco, California.
Sims, John Marion.....	San Francisco, California.
Smith, Weston Olin.....	San Francisco, California.
Warner, James Kyle.....	San Francisco, California.
Wayson, James Thomas.....	Port Townsend, Washington.

MATRICULANTS, 1891.

Adelung, E. Von.....	Oakland, California.
Aird, J. W.....	Heber, Utah.
Beckett, Minnie.....	San Francisco, California.
Berndt, E. M.....	Fürstenberg, Germany.
Birdsall, F. W.....	Sacramento, California.
Blondin, Arthur.....	San Francisco, California.
Bodkin, Thomas P., Ph.G.....	San Francisco, California.
Bradshaw, A. F.....	Siskiyou, California.
Broger, Annie G.....	San Francisco, California.
Cadwallader, R.....	San Francisco, California.
Caglieri, G.....	San Francisco, California.
Clark, George W.....	San Francisco, California.
Cleary, Stephen, Ph.G.....	San Francisco, California.
Comyns, James E.....	San Francisco, California.
Conrad, David A.....	San Francisco, California.
Cothran, A. L.....	San Rafael, California.
Crook, Emma E.....	Paiá, Hawaiian Islands.
Deal, Louise B.....	San Francisco, California.
Falck, Millicent E.....	San Francisco, California.
Fitzgibbon, Frank T.....	San Francisco, California.
Fleming, Bartholomew F.....	San Francisco, California.
Flesher, F. C.....	San Francisco, California.
Fraser, F. J.....	San Francisco, California.
Freeman, Charles H.....	Oakland, California.
Freeman, Ernest M., A.B.....	Nova Scotia.

Fall, A. M.	Stockton, California.
Glover, C. A.	San Francisco, California.
Guatelli, Antonio	San Francisco, California.
Hackett, Winston H.	Texas.
Hempler, Philip.	Syracuse, New York.
Hooper, Harry	El Dorado, California.
Horton, E. Shelton	Australia.
Johnstone, Ernest K.	San Francisco, California.
Keefe, J. J., Ph.G.	Grass Valley, California.
Lagan, Hugh	San Francisco, California.
Lovdal, G. B.	Sacramento, California.
Lowe, F. W.	San Francisco, California.
Maddock, Louis	Umatilla, Oregon.
Maguire, C. S.	San Francisco, California.
McCarthy, C. F.	San Francisco, California.
McCone, J. F., B.S.	Virginia City, Nevada.
Miller, Philip	San Francisco, California.
Nelson, J. A.	San Francisco, California.
Nicholson, J. E.	San Francisco, California.
Ogden, G. W.	Sacramento, California.
O'Gormon, Theophilus V.	San Francisco, California.
Phelan, H. du R.	San Francisco, California.
Piper, F. W.	Idaho.
Pond, G. P.	Petaluma, California.
Quigley, J. M.	San Francisco, California.
Rantz, S. H.	El Dorado, California.
Rathbun, Wm. T.	Colusa, California.
Reamey, May	Stockton, California.
Root, Geo. Adams, Ph.G.	Pittsfield, Massachusetts.
Russell, Annie K.	Portland, Oregon.
Sanborn, F. H.	San Francisco, California.
Sanborn, W. K.	Benicia, California.
Schrader, S. H.	New South Wales, Australia.
Schram, Lillie Bussenius.	St. Helena, California.
Simon, Grace	San Francisco, California.
Sutherland, R.	San Francisco, California.
Terry, Wallace I., B.S.	Sacramento, California.
Thompson, J. G.	San Francisco, California.
Thorne, Walter M.	San José, California.
Tiedeman, Carl W.	San Francisco, California.
Waterhouse, Maude A.	Stockton, California.
Welch, F. C.	Sacramento, California.
Wood, Henry L.	Dillon, Montana.
Young, Willis J.	Napa, California.
Zahn, R. G.	San Francisco, California.

SUMMARY.

Graduates, 1891	21
Undergraduates, 1891	70
Total	91

COMPLETE LIST OF GRADUATES.

Addington, D. M.....	Bartlett Springs, California.....	1879
Allen, Edward O.....	New York, New York	1875
Alexander, Monrove E.....	Pendleton, Oregon.....	1888
Anderson, J. A.....	San Francisco, California	1873
Anderson, Winslow.....	San Francisco, California	1884
Armistead, Howell V.	Berkeley, California	1885
Baker, Henry A.....	San Francisco, California	1891
Baldwin, Robert O.....	Oakland, California.....	1885
Barbat, John H., Ph.G.	San Francisco, California	1888
Barber, Edward T.....	Eel River, California	1866
Bates, Charles B.	San Francisco, California	1868
Bates, Walter E.....	Davisville, California	1881
Beardsley, E. M.....	San Francisco, California	1881
Beaumeister, B. H.	San Francisco, California	1882
Beede, William M. S.....	Stockton, California	1884
Benedict, C. W.....	Virginia City, Nevada	1875
*Bettleheim, A. F.....		1880
Biggs, F. P.	Valparaiso ..	1874
Biggs, M. H.	Lima, Peru.....	1870
Blake, Charles M.....	San Francisco, California	1876
Blake, Charles R.....	San Francisco, California	1891
Blake, James W.....	San Francisco, California	1874
Bond, Fred. T.	Vallejo, California	1890
Bordé, Henry J.	San Francisco, California	1883
Bradbury, George F.....	San Francisco, California	1878
Brannan, J. J.	Healdsburg, California.....	1876
Brierly, Conant B.....	San Francisco, California	1876
Bromly, R. I.....	Sonora, California.....	1878
Brown, Ernest S.....	San Francisco, California	1886
Brown, George J.....	Fort Bragg, California	1876
Bruns, W. C.	Portland, Oregon.....	1878
Buckley, Vincent P.	San Francisco, California	1884
Bunker, Robert E.....	Bloomington Ferry, Minnesota.....	1889
Burchard, L. S.....	Oakland, California.....	1882
Burnham, Clark J.....	San Francisco, California	1891
Cairns, John C.....	San Francisco, California	1876
Calbreath, John F.....	Weston, Virginia	1875
Caldwell, H. H.	San José, California.....	1880
Caldwell, Robert	San José, California.....	1869
Callaghan, D. T.....	Grand Gulf, Mississippi.....	1873
Cameron, James S.	Red Bluff, California.	1868
Chaigneau, V. A.....	Crescent City, California.....	1876
Churchill, Leonard	San Francisco, California	1871
Chalmers, William P.....	Watsonville, California	1886
Clark, J. J.	San Francisco, California	1869
Clark, William D.	Cottonwood, California	1884

*Deceased.

Clinton, C. A.	San Francisco, California	1881
Cluness, William R., Jr.	Sacramento, California	1887
Cochran, W. A.	San Francisco, California	1869
Collischonn, Philip	San Francisco, California	1891
Conlan, William E.	San Francisco, California	1886
Collins, Addison C.	Golden Gate, California	1885
Connolly, John J.	Fresno, California	1878
Cornolly, Thomas E.	San Francisco, California	1884
Cook, Frank S.	San Francisco, California	1887
Corbett, S. J.	San Francisco, California	1868
Cox, Rosamond L.	San Francisco, California	1888
Cox, Thomas H.	San Francisco, California	1873
Curran, Mary K.	San Francisco, California	1878
Damour, Ferdinand.	San Francisco, California	1864
D'Ancona, Arnold A., A.B.	San Francisco, California	1884
Davie, J. C., Jr.	Victoria, Vancouver Island.	1864
Davidson, Joseph R.	San Francisco, California	1875
Dawson, Alson	New York, New York	1875
Day, John G.	San Francisco, California	1884
Dean, Andrew J.	Haywards, California	1881
Delmont, Francois.	San Francisco, California	1874
*Dennis, Nathan P.	San Francisco, California	1888
Deputy, Anson A.	Grant's Pass, California	1881
Dodge, Henry W.	San Francisco, California	1884
Downs, George W.	Vallejo, California	1879
Drinkhouse, E. J. C.	San Francisco, California	1865
Driscoll, Edward P., Ph.G.	San Francisco, California	1891
Dubois, A. L.	San Leandro, California	1864
Dunbar, Arthur W.	San Francisco, California	1891
Duncan, S. C.	Vallejo, California	1877
Dunn, James P. H., S.B.	Oakland, California	1888
Enright, Charles M., A.B.	San Francisco, California	1884
Estes, Melvin B.	San Francisco, California	1888
Evans, C. W.	Modesto, California	1881
Felt, Rae.	Eureka, California	1890
Fenn, C. N.	San Diego, California	1865
Fine, Andrew	Oakland, California	1866
Foote, Gilbert	Naulihu, Hawaiian Islands.	1879
Ford, Campbell	San Francisco, California	1891
Foreman, Francesca I.	San Francisco, California	1889
Fottrell, Michael J.	San Francisco, California	1887
Foulkes, J. F., Jr.	San Francisco, California	1880
Frick, Euclid B.	Philadelphia, Pennsylvania	1888
Frost, Joseph	San Francisco, California	1877
Gale, Herbert A.	Sacramento, California	1879
Gallwey, John	San Francisco, California	1885
Gates, Frank H.	Haywards, California	1884
Gilham, G. W.	Oakland, Oregon	1881

* Deceased.

Glaze, George I.....	San Francisco, California	1887
Gleaves, Christopher C.....	Anderson, California	1889
Grattan, E. L.....	San Francisco, California	1881
Gros, Edward	San Francisco, California	1865
Guilemard, A. J.....	San Francisco, California	1878
Hackett, John.....	Markham, California	1867
Haile, C. S.....	Alameda, California	1869
Hampton, James E.....	San Francisco, California	1871
Handy, J. C.	Tucson, Arizona	1864
Hansen, Thomas C.....	San Francisco, California	1867
Happersberger, Albert K., A.B.	San Francisco, California	1888
Harmon, R.	Oakland, Oregon	1879
Harris, Thomas W.	Russelville, Indiana	1875
Haskin, Wm. H.....	New York, New York	1889
Hawkins, Wm. J.....	San Francisco, California	1890
Heavitt, Granville.....	San Francisco, California	1866
Heinimann, J. M.....	San Francisco, California	1877
Hicks, Young E.....	Merced, California.....	1874
*Hodgdon, W. H. A.....	San Francisco, California	1876
Holmes, Edw. R.....	Revenue Steamer "Bear"	1889
Hook, Walter E.....	Oakland, California.....	1879
Hopkins, T. P.	Potter Valley, California	1880
Howard, Katherine I.....	San Francisco, California	1885
Howard, Wm. B.	Modesto, California	1887
Howell, H. H.....	Bishop Creek, California.....	1879
Hughes, Jerome A.	San Francisco, California	1883
Hughes, L. J.....	San Francisco, California	1879
Hunkin, Sam. J.....	San Francisco, California	1890
Johnstone, A.....	Brooklyn, New York	1879
Jones, Ottowell W.....	San Francisco, California	1889
Josephi, Simon E.	East Portland, Oregon.....	1877
Kawakami, Masayasu.....	Japan	1889
Keane, George B.....	San Francisco, California	1872
Kelly, John L.....	Lewiston, Idaho.....	1888
Kingsley, Thomas H.....	Lower Lake, California	1886
Kirby, William T. . .	San Francisco, California	1891
Kirchhoffer, Frederick.....	San Francisco, California	1887
Kirkpatrick, C. A.....	Redwood City, California	1871
Kirkwood, J. W.....	Salem, Oregon.....	1876
Kobayashi, Sankio.....	Japan	1887
Kosbue, A. Emil	Yuba City, California	1875
Kugeler, Henry B. A.....	San Francisco, California	1890
Kurtz, Joseph	Los Angeles, California	1875
Lagan, Edward	San Francisco, California	1891
Laidlaw, Horace.....	Oakland, California.....	1880
Le Fevre, J. P.....	San Diego, California.....	1881
Lewitt, F. A.....	Eureka, California.....	1878
*Lindenberger, W. H.....	Bartlett Springs, California	1876

* Deceased.

Lingo, Marin B.	Salem, Oregon	1866
Lonigo, Emile V.	San Francisco, California	1883
Lord, Franklin F.	San Francisco, California	1880
Lovett, Wm. B.	San Francisco, California	1883
*Lundborg, Gustaf W.	San Francisco, California	1883
Lustig, Daniel D., Ph.G.	San Francisco, California	1885
Lyford, L. Dexter.	San Francisco, California	1872
Macdonald, James M.	Oakland, California	1891
Mackenzie, J. H.	Edinburgh, Scotland	1870
Mann, Chas. S.	Newport, Oregon	1890
Martineaut, E. D.	San Francisco, California	1873
Martinez, John M.	Guatemala	1890
Marx, Frances R.	San Francisco, California	1889
Mason, Benjamin F.	San Leandro, California	1875
Mather, Squire R.	San Francisco, California	1889
Matthewson, J. M.	Oakland, California	1882
Mayer, Oscar J., Ph.G.	Germany	1889
Mays, Arthur H.	Sonora, Mexico	1887
Mays, Wm. H.	San Francisco, California	1873
McColl, G. F.	East Portland, Oregon	1877
McCormack, Herbert F., A.B.	Eugene, Oregon	1876
McCoy, Juan W.	Redding, California	1884
McDermott, Wm. P.	San Francisco, California	1874
McDonald, J. J.	Eugene, Oregon	1877
McGuire, Lucius.	San Francisco, California	1868
McLaughlin, M. A.	San Francisco, California	1878
McLean, John T.	Newman, California	1887
McLean, Robert A.	San Francisco, California	1874
McMurdo, John R., Ph.G.	San Francisco, California	1891
Mervy, Emile C.	San Francisco, California	1883
Merritt, T. W.	San Francisco, California	1882
Meyer, Albert G.	San Francisco, California	1890
Meyers, R. C.	San Francisco, California	1880
Miller, Chas. F.	Ventura, California	1874
Miller, John A.	San Francisco, California	1875
Milton, Joseph L.	San Francisco, California	1891
Minor, John F.	San Francisco, California	1876
Mohun, Chas. C., Ph.G.	San Francisco, California	1890
Molony, James John, Ph.G.	San Francisco, California	1891
Moody, Mary F.	San Francisco, California	1882
Morgan, F. E.	Santa Cruz, California	1881
Morrill, Augustus L.	San Francisco, California	1887
Morse, Fred. W.	San Francisco, California	1891
Mueller, H. E.	Brooklyn, California	1880
*Muentner, Henry	Stockton, California	1882
Newmark, Valentine.	San Francisco, California	1868
Nichols, Theodore A.	Mission San José, California	1885
Noble, John A.	San Francisco, California	1888

* Deceased.

Nottage, George E.	Stockton, California	1874
Nuttall, George H. F.	Baltimore, Maryland	1884
O'Brien, Aloysius P.	San Francisco, California	1889
Olds, William H.	San Francisco, California	1881
Oliver, Joseph A.	San Francisco, California	1889
Olsen, Marie Colditz	San Francisco, California	1891
*O'Neill, A. A.	San Francisco, California	1867
O'Neill, J. C.	Vallejo, California	1873
Oster, Charles	Oakland, Oregon	1878
Oviedo, Louis P., A.B.	San Francisco, California	1891
Park, Theorilda C.	San Francisco, California	1887
Partsch, Herman	San Francisco, California	1884
Paton, Charles J.	San Francisco, California	1883
Patterson, T. J.	Visalia, California	1882
Payne, J. R.	San Diego, California	1882
Perrault, Edward L.	Idaho	1885
Pescia, Joseph	San Francisco, California	1877
Petrie, Frank B., Ph.G.	San Francisco, California	1891
Plant, Benjamin A.	Santa Cruz, California	1886
Plummer, Richard H.	San Francisco, California	1866
Pond, Henry M.	St. Helena, California	1880
Pond, W. B.	Napa, California	1864
Pope, Horace E.	Detroit, Michigan	1876
Powell, J. M.	Mammoth, Oregon	1876
Pressley, J. B.	Sanger, California	1882
Prevost, J. Renny	San José, California	1866
Pruett, J. A.	Pendleton, Oregon	1878
Quinlan, Albert P.	San Francisco, California	1876
Reardon, T. P.	Oroville, California	1882
Reardon, William E.	San Francisco, California	1887
Reed, Clarence E.	Hawthorne, Nevada	1883
Reich, George A.	Seattle, Washington	1877
Reynolds, George E.	Steamship "Oceanic"	1877
Richardson, J. A.	Salem, Oregon	1866
Riley, J. S.	Port Costa, California	1883
Robertson, John W.	San Francisco, California	1880
Robinson, Luke	San Francisco, California	1867
Rorke, James	San Francisco, California	1876
Rucker, H. N.	Stockton, California	1870
Rupe, Samuel H.	Healdsburg, California	1866
Sabey, L. A.	Crescent City, California	1880
Sage, H. T.	San Francisco, California	1870
Sawyer, H. C.	San Francisco, California	1881
Schellhous, E. J.	Sinaloa, Mexico	1875
Schnabel, Martin	Newcastle	1873
Scholl, Albert J., M.D.	Los Angeles, California	1890
Scholl, Albert L., Ph.G.	San Francisco, California	1884
Scott, Arthur W.	San Francisco, California	1879

* Deceased.

Seavey, L. T.	Port Townsend, Washington ...	1878
Seawell, John L.	Healdsburg, California.	1870
Seawell, Thomas H.	Healdsburg, California.	1876
Sellon, Anna F.	San Francisco, California	1881
Senter, E. S.	San José, California.	1882
Shannon, James	Seattle, Washington	1887
Sheets, John H.	Buckley, Washington.	1881
Shelton, Thomas W.	Salem, Oregon	1867
Sherman, Elenora S.	Los Gatos, California.	1884
Shuey, Sarah I.	Oakland, California.	1878
Sichel, Gust. W.	San Francisco, California	1876
Simon, Jules A.	San Francisco, California	1875
Sims, John Marion	San Francisco, California	1891
Smith, George S.	Half Moon Bay, California.	1879
Smith, T. H.	Eureka, California.	1876
Smith, Weston O.	San Francisco, California	1891
Smith, William P.	Salem, Oregon	1875
Soboslay, Julius	San Francisco, California	1886
Sparkes, Agnes.	San Francisco, California	1879
Spring, Charlotte B.	San Francisco, California	1890
Stanton, James	San Francisco, California	1882
Steely, John.	Kirbyville, Oregon	1867
Stevenson, J. R.	Redding, California.	1877
*Stewart, J. M.	San Francisco, California	1882
Stivers, C. A.	San Francisco, California	1864
Summers, G. M.	Easton, California.	1876
Summers, John F.	Easton, California.	1878
Surryhne, Benj. F.	San Francisco, California	1890
Sutro, Emma L.	San Francisco, California	1881
Swann, Charles M.	San Francisco, California	1875
Swisher, J. R.	Healdsburg, California.	1877
Tartar, A. P.	Tehama, California	1882
Taylor, Edward R.	San Francisco, California	1865
Tevis, Henry L.	San Francisco, California	1887
Thrasher, Marion.	San Francisco, California	1890
*Toland, Charles A.	San Francisco, California	1869
Tuggle, Samuel P.	San Francisco, California	1889
Turner, J. T.	Mariposa, California.	1869
Tuttle, H. P.	Tacoma, Washington	1869
Urban, Kurt.	San Francisco, California	1883
Voigt, W. C.	Stillwater, Minnesota.	1879
Von Buelo, F.	San Francisco, California	1877
Wade, Mark S.	San Francisco, California	1889
Walz, G.	San Francisco, California	1868
Wanzer, L. M. F.	San Francisco, California	1876
Warner, James Kyle.	San Francisco, California	1891
Watanabe, Tey.	Japan	1887
Waters, John W.	Carson City, Nevada.	1874

* Deceased.

Wayson, James T.	Port Townsend, Washington ...	1891
Webber, J. S.	Sierra County, California	1869
Weeks, F. L.	San Francisco, California	1864
Wheaton, S. P.	Oakland, California.	1877
Whittell, A. P.	San Francisco, California	1873
Weiss, E. M.	San Francisco, California	1877
Welch, W. P.	San Francisco, California	1864
White, James T.	Oakland, California	1888
Wickman, William J.	San Rafael, California	1883
Widney, J. P.	Los Angeles, California.	1867
Wilcox, Wilber J.	Oakland, California.	1885
Williams, Robert B.	San Diego, California.	1887
Williamson, John M.	San Francisco, California	1885
Williamson, W. T.	East Portland, Oregon.	1877
Wilson, Kemlo R. McD.	Scotland	1886
Winton, Henry N.	San Francisco, California	1885
Woods, W. E. Josephine.	San José, California.	1885
*Wooster, David.	San Francisco, California	1885
Young, Junius D.	Stockton, California	1881
Younger, Alex. J.	San Francisco, California	1869
Younger, Edward A.	San Francisco, California	1879
Zeyn, Gustav C.	Alameda, California	1889
Total		307

* Deceased.

THE ALUMNI ASSOCIATION.

The Alumni Association of the Medical Department of the University of California now includes in its membership most of the graduates of the institution, and the officers for the ensuing year take pleasure in announcing a prosperous outlook for the Association.

The objects of the Society are the promotion of the prosperity of our *Alma Mater*, the maintenance and cultivation of fraternal feeling among the alumni, and the advancement of the interest of medical education, and the diffusion of scientific knowledge.

The Professors and Teachers in the Medical Department are entitled to honorary membership with an appropriate certificate.

The meetings during 1892 will be held monthly, at the offices of the members residing in San Francisco, and the annual meeting will be held in a public hall in the early part of December. At these meetings medical and scientific topics will be brought up for discussion, and all present asked to participate.

Papers and reports of special cases are solicited from members outside of the city or abroad.

The annual banquet will be given the evening preceding the commencement exercises of the College.

The following officers have been elected for 1892 :

JAS. W. BLAKE, M.D., President.

M. W. MOODY, M.D., Vice-President.

JULES SIMON, M.D., Secretary.

K. I. HOWARD, M.D., Treasurer.

Executive Committee:

A. P. WHITTELL, M.D.

WASHINGTON DODGE, M.D.

L. M. F. WANZER, M.D.

All alumni are cordially invited to identify themselves with the Association, and assist in the promotion of its welfare.

For further particulars, address the Secretary of the Association—

JULES SIMON, M.D.,

No. 323 Geary Street,
San Francisco, Cal.

UNIVERSITY OF CALIFORNIA.

ACADEMIC SENATE.

NOTE.—The Faculties of the University, together with the Instructors, constitute by law the Academic Senate.

The names, excepting those of the President and Secretary, are arranged in the order of original accession to membership in the Academic Senate.

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The session of 1892 begins Monday, June 6th, and ends February 28, 1893.

The first examination for matriculation will take place Monday, May 30th.

Graduates in Medicine may apply for the degree of Doctor of Dental Surgery, after having passed *two* full years of practical instruction or experience in Dentistry, *one* year of which, including one course of lectures, must be spent in this institution.

In accordance with a rule adopted by the National Association of Dental Faculties, requiring three years' attendance of all matriculates, to take effect in 1892, matriculates who are Graduates in Medicine will be admitted to the second year without examination.

Graduates of the Dental Department are admitted to the Medical Department as students of the second year without examination.

FEES.

Matriculation (paid but once).....	\$5 00
Tuition	120 00
Demonstrator of Anatomy's Fee	10 00
Diploma	30 00

For Annual Announcement, address—

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Department of Pharmacy.

CALIFORNIA COLLEGE OF PHARMACY.

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JOSEPHINE E. BARBAT, Ph.G., Instructor in Botany.
H. E. D. BESTHORN, Ph.G., Instructor in Pharmacy.
C. A. SEIFERT, Ph.G., Instructor in Materia Medica.

Laboratory work, for Senior students only, begins Monday, February 1st. Lecture Term, for both Seniors and Juniors, begins Monday, April 4, 1892. Preliminary examination for matriculation, Friday, April 1st, at 9 A. M. Lectures will be delivered on Chemistry, Materia Medica, Botany, Theoretical and Practical Pharmacy. Arrangements have been made to provide Laboratory Instruction in Chemical and Pharmaceutical work, and in every respect efforts will be made to keep pace with the rapid advancement of pharmaceutical science.

Every applicant for admission to the regular course for graduation at this College will be required to pass a preliminary examination, or to present a diploma or other satisfactory written evidence that he has passed the first grammar grade, and is entitled to enter a High School of this State, or has attended some academy of a grade equal to that of our High Schools. Those who do not present such certificates will be examined in English reading and composition, writing, geography, and arithmetic.

Graduates in Pharmacy of this College are permitted to present themselves for examination for the degree of Doctor of Medicine in the Medical Department of the University of California, after attending that school two years instead of three, as required of other students. The fees have also been reduced in like proportion to Graduates in Pharmacy.

Graduates of such Medical Colleges as are recognized by the American Medical Association will be permitted to present themselves for examination for the degree of Graduate in Pharmacy after one year's attendance at this College, provided they have complied with all the other conditions for graduation.

For prospectus, etc, address—

W. M. SEARBY, Ph.G., Dean,
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UNIVERSITY OF CALIFORNIA.

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Terms of Regents expire March 1st.

Regular meetings of the Board of Regents are held in San Francisco on the second Tuesday of August, October, December, February, April, June, and in Berkeley, annually, on the day preceding commencement in the College of Letters and the Colleges of Science.

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CALENDAR.

THE PRELIMINARY TERM of 1893 will open on Wednesday, March 1st, and close on Saturday, May 13th.

THE REGULAR TERM will open on Thursday, June 1st, and close on Thursday, November 30th.

THE MATRICULATION EXAMINATIONS will be held at the College building on March 1st and June 1st.

THE DIDACTIC LECTURES are delivered at the College building (Toland Hall), Stockton street, below Chestnut, San Francisco.

THE CLINICAL LECTURES are delivered at the City and County Hospital, Twenty-second street and Potrero avenue.

THE DISPENSARY CLINICS are held opposite the City and County Hospital.

THE ANNUAL COMMENCEMENT for conferring the Degree of Doctor of Medicine will be held early in December, in San Francisco.

THIRTIETH ANNUAL COURSE OF INSTRUCTION.

SESSION OF 1893.

The Medical Department of the University of California was organized in 1872, as an integral part of the State's educational center. It was among the first to adopt the higher standard of Medical Education; having, as early as 1875, instituted a three years' course and graded studies, and in 1885 an examination for admission to the College.

The changes introduced into the curriculum of this school, and now in force, may be summarized as follows:

1. Increase of the Time of Study to Three Years.—Three regular courses of lectures of six months each, attended through three several years, are required before the student can present himself for graduation. Students are also required to attend the clinics regularly throughout the term, and senior students to attend the preliminary term.

2. Yearly Examinations.—At the close of each session, examinations are held to determine the progress of the student during the year past, his advancement depending on the result of such examinations.

3. Graded Studies.—By this arrangement the student is thoroughly drilled in the elementary subjects before proceeding higher. He is, however, expected to attend all the lectures, giving most of his hours of study to the subjects allotted to his own year.

The following are the subjects apportioned to each year's studies:

First Year. Anatomy, Physiology, Histology and Microscopic Technique, Materia Medica and Medical Chemistry, Hygiene and Medical Jurisprudence, Pharmacy, Dissections, Dispensary and Laboratory work. Examinations at the end of the first year in Anatomy, Physiology, Histology, Materia Medica and Medical Chemistry, Pharmacy and Laboratory Work.

Second Year. Anatomy, Physiology, Materia Medica and Medical Chemistry, Principles and Practice of Medicine, Principles and Practice of Surgery, Therapeutics, Histology and Pathology, Obstetrics, Clinical Medicine, Clinical Surgery, Hygiene and Medical Jurisprudence, Dissections, Dispensary Clinics.

At the end of the second year final examinations will be held in Descriptive Anatomy, Physiology, Histology, Materia Medica and Medical Chemistry, and Hygiene and Medical Jurisprudence. Students failing to pass in any of these subjects will be conditioned until the beginning of the next preliminary term. No student will be admitted to the senior class until he has passed a satisfactory examination in all of the above-named studies.

Third Year. Principles and Practice of Medicine, Principles and

Practice of Surgery, Obstetrics, Gynecology, Therapeutics, Clinical Medicine, Clinical Surgery, Nervous and Mental Diseases, Pathology, Diseases of Children, Ophthalmology and Otology, Surgical Anatomy, Special Clinics.

Graduates of this College, and those holding certificates of attendance upon lectures, are credited for the full time of their medical studies by the Royal College of Surgeons of England, Royal College of Surgeons of Edinburgh, and the Faculty of Physicians and Surgeons of Glasgow, providing they present certificates of having passed successfully the entrance examination to the College of Letters of this University, or some other recognized college or university.

LOCATION.

While the several other Colleges of the State University are clustered at Berkeley, its Medical Department is, for obvious reasons, situated in San Francisco. The Medical College building, known as "Toland Hall," in honor of its illustrious founder, is one of the most complete and stately in the country. It is located near North Beach, overlooking the Golden Gate, a locality favoring the health and industrious habits of the students.

The Lecture Hall of the College is capable of seating five hundred persons; the Clinical Amphitheater is about equally as capacious; the Museum contains an extensive collection of specimens and preparations; the Dissecting Room is fitted up with all the modern improvements; the Laboratory is replete with all chemicals and apparatus necessary for practical teaching. Apartments in the building are set apart for Laboratory work, and a commodious reading room is also provided.

The College stands near the terminus of the Omnibus line of street-cars, the North Beach and Mission line, and the Powell street cars.

THE COLLEGIATE YEAR.

Contrary to the custom of Eastern Medical Colleges, the lectures in this school are delivered during the Spring and Summer months. The peculiar climate of San Francisco renders Spring and Summer far the preferable season for prosecuting medical studies; hence the sessions are held from March to December. During this period, and indeed largely throughout the other months of the year also, cool trade winds blow across the city daily, moderating the temperature, and particularly favoring the study of practical anatomy and necroscopy. The student in this city enjoys rare natural advantages for the healthful pursuit of his labors, such a contingency as his detention from lectures or clinics by stress of weather being absolutely unknown.

The College year is divided into two terms: The Preliminary or Spring Term, and the Regular or Summer Term.

THE PRELIMINARY TERM commences March 1st and ends May 13th.

During this term subjects are dwelt upon that do not receive the full meed of attention during the Regular Term. Clinics proceed at the Hospital and College as during the Regular Term. The Dissecting Room is open for practical work. All students are strongly urged to attend this course, although such attendance is not compulsory, except to members of the senior class.

THE REGULAR TERM begins on Thursday, June 1st, and terminates on Thursday, November 30th. During this term all the branches of medicine and surgery are taught, didactically and clinically. Regular clinics are held three days each week, at the City and County Hospital, where the professors of the clinical chairs have charge of wards and possess every advantage for the instruction of students; clinics are also held at the College Dispensary. Lectures are given daily by the Professors, and evening recitations are held several times a week.

METHODS OF INSTRUCTION.

The course of studies pursued at this school comprises Clinical, Didactic, and Laboratory teaching. Special prominence is given to the first, although it is endeavored that the three methods shall be so blended as to form one harmonious whole.

CLINICAL TEACHING.

In Clinical Teaching, the plan pursued by the several Clinical Professors has for its aim the actual confronting of the student with the phenomena of disease, that the senses of sight, hearing and touch may be trained to aid in forming a correct diagnosis.

The facilities for clinical studies open to the students of the University have been largely increased. Full access is given to the City and County Hospital, a complete and modern structure containing five hundred beds, and presenting for observation perhaps every known form of disease, including those peculiar to tropical and South America. The staff of the Hospital is largely drawn from the Faculty of the University, giving them unusual advantages for developing clinical material. The Professor of Clinical Surgery has charge of three surgical wards (thirty-two beds in each), the Professor of Clinical Medicine two wards, the Professor of Obstetrics and Gynecology and the Professor of Ophthalmology, one ward each. Autopsies are conducted three times a week in the Mortuary by the Pathologist. A large operating theater has been erected, where the major and minor operations of surgery are performed in view of the class. Operating days are Tuesday and Saturday. The Hospital is situated at the junction of Twenty-second street with Potrero avenue, and is accessible from the North Beach and Mission cars, the Omnibus, the Mission street, and the Valencia street lines.

HOSPITAL CLINICS.

Clinical Surgery.—Professor McLean delivers clinical lectures on Practical and Operative Surgery, at the City and County Hospital, on Tuesdays, Thursdays and Saturdays, throughout the session. Especial attention is given, in a ward devoted to the purpose, to the conduct of disorders of the genito-urinary organs and venereal diseases. A course of Minor Surgery is also given. Instruction in this branch includes the application of bandages and the various dressings used in treating wounds, fractures, dislocations, etc.

Clinical Medicine.—Professor W. W. Kerr will deliver a course of lectures on Clinical Medicine at the same Hospital each Tuesday, Thursday and Saturday. The course of study will consist in the demonstration of cases illustrating the different phases and peculiarities which disease assumes, the examination of patients at the bedside by the student under the guidance of the Professor, together with the instruction in all those details which qualify the student to discharge his duty agreeably and efficiently in the sick room.

Gynecology and Practical Midwifery.—Professor R. Beverly Cole holds a Thursday Clinic, including a course of instruction in Operative Gynecology, the use of instruments, appliances, etc. He will also devote a portion of his lectures to Clinical Midwifery, taking as illustrations such cases of interest as may occur in the Lying-in ward from time to time. The senior students will each, in rotation, have opportunities for the study of Practical Obstetrics at the bedside.

Ophthalmology and Otology.—Professor Powers will deliver one didactic lecture a week during the course, covering the subjects of the Eye and Ear, Larynx, Pharynx, Naso-Pharynx and Nasal Cavities. These lectures will be illustrated by models, charts and blackboard drawings. He will also conduct two clinics a week at the City and County Hospital, where, in addition to operative and severe cases, he has a large out-patient clinic, including many children, with many illustrations of cases as they appear in daily practice. At these clinics the third-year students are required, in turn, to keep the record of the cases, with a view to cultivating a habit of case-writing. Once in two weeks, Dr. W. E. Hopkins, Assistant to the Chair, has an evening "Quiz" for the third-year students, which is conducted in turn by the students themselves, under the personal supervision of the instructor.

DIDACTIC TEACHING.

A brief outline of the course pursued by the several departments will be found in the following summary:

Surgery.—Professor Taylor delivers two lectures each week on the art and science of Surgery. The more recent views on the management of surgical conditions, and the appliances devised for their relief, are particularly dwelt upon and illustrated with drawings and models when necessary. The course will include a series of lectures upon Operative Surgery, with demonstrations on the cadaver. The students will be drilled in the manipulation of instruments used in the various operations.

Practice of Medicine.—Professor W. F. McNutt presents in his lectures the principles and practice of medicine in its modern aspects. He gives a description of the different diseases, their etiology, pathology, symptoms, diagnosis, prognosis and treatment. The various pathological changes are demonstrated by means of plates, preparations, and recent specimens of diseased parts.

Obstetrics.—The science and art of Obstetrics are taught by Professor R. Beverly Cole. His lectures are fully illustrated by the use of colored plates and drawings, prepared specimens, and the manikin. The principal obstetric operations are performed on the cadaver in presence of the class.

Physiology.—The lectures in this department by Professor D'Ancona embrace a consideration of both general and special Physiology, including all that has been developed up to the present time, and are illustrated by a complete series of colored drawings, prepared exclusively for these lectures; besides which, the large collection of preparations and drawings of the Scientific Department at Berkeley are at the command of the Professor. Vivisections are practiced when necessary.

The course embraces the lectures of two years, one year being devoted to the physiology of the nervous system and reproduction, the other to nutrition, respiration, circulation, etc.

Dr. Edward von Adelung, Assistant to the Chair of Physiology, will conduct a special quiz, two days each week throughout both the Preliminary and Regular Terms, for members of the Freshman class.

Therapeutics (Medical and Surgical).—The lectures in this department, by Professor Dodge, will explain the physiological actions and therapeutic indications of all agents, medical and surgical, used for the cure, alleviation or prevention of diseases. The action of drugs will be shown by practical demonstration upon living animals.

Materia Medica and Medical Chemistry.—Professor A. L. Lengfeld, in his course, will deliver two lectures each week, devoting special attention to that part of Chemistry which pertains more particularly to Medicine and Pharmacy. The lectures will be abundantly illustrated by experiments, all necessary philosophical and chemical apparatus being employed for this purpose. The nature, origin, physical and chemical properties of the various remedies officinal in the United States Pharmacopoeia will be fully elucidated. The cabinet of Materia Medica, which contains the important as well as the new and rare drugs and pharmaceutical preparations employed in medicine, will be used to illustrate the lectures. Special attention will be given to Toxicology and Prescription Writing.

The Preliminary Term will be occupied with a course of lectures upon Urine Analysis.

Practical Chemistry.—The Chemical Laboratory has been thoroughly refitted with the newest and most approved apparatus. Each student is provided with a separate table and set of apparatus and reagents, and performs individually all experiments.

Mr. A. Auchie Cunningham, Assistant to the Chair of Materia Medica and Medical Chemistry, will conduct a systematic and practical course in Experimental Chemistry, Qualitative Analysis, and the analysis of Urine, Milk, and Poisons.

I. First Year.—Each student will perform a series of experiments in which he will develop the main principles of the science of Chemistry treated of in the lectures, and become familiar with the physical and chemical properties of the elements and their compounds. Qualitative Analysis will form a part of this course.

II. Second Year.—The most approved methods of examining Milk and the Urine analytically and microscopically, will be performed by each student. The use of the Polariscope, Microscope, Ureameter, etc., will be fully taught. The course in Toxicology will include an extensive range of testing for the various poisons commonly met with in practice.

A weekly quiz will be given in the work done in the Laboratory, and the course will conclude with a practical examination.

Anatomy.—Professor Williamson's lectures on Anatomy are illustrated by the cadaver, and by both wet and dry preparations, models, manikin and drawings, and include a course on general, special, topographical and surgical Anatomy. The Dissecting Room is spacious, well ventilated, lighted from above, and provided with every convenience. It is open throughout the year, under the superintendence of the Professor and Demonstrator of Anatomy. A supply of material is always procurable at small cost. When dissections are conducted in a diligent manner, the student is furnished with certificates stating the amount and part dissected. One of the Demonstrators will be present daily in the Dissecting Room, so that students will receive the proper attention and assistance. During the Preliminary Term a course of lectures will be delivered upon Surgical Anatomy.

During the Regular Term, Dr. J. H. Barbat, Demonstrator of Anatomy, will conduct a special quiz for members of the Freshman class upon the subject of Osteology.

Gynecology.—This subject is taught didactically and clinically by Prof. Cole and Dr. Von Hoffman. The use of gynecological instruments is carefully shown, and the several procedures explained by means of colored charts, diagrams and manikins.

Hygiene.—The importance now attaching to the science of Hygiene induced the Regents and Faculty to give it a place in the curriculum of the school. The instruction in this department will be in charge of Dr. Geo. F. Shiels. In connection with this department a special course of lectures will be given upon Medical Jurisprudence.

Diseases of Children.—Professor Swan will devote one hour each week to this subject, illustrating his lectures by notes drawn from an unusually large experience in the management of diseases peculiar to children.

Nervous and Mental Diseases.—The instruction for the Preliminary Term, in addition to the regular lectures on the Medical Jurisprudence of Insanity, will include a course on Alcoholism and the Narcotics, together with a discussion of the localization of lesions of the nervous system. These lectures will be illustrated by specially prepared plates and diagrams, showing the results of the most recent investigations. It is intended to further illustrate this subject by demonstrations of normal and pathological brains and spinal cords.

Functional nervous diseases, including the various phases of

Hysteria and Hypnotic conditions, will receive special attention. The instructions in both functional and organic diseases of the nervous system will be supplemented by clinical lectures and demonstrations. It is intended that the students shall further familiarize themselves with the pathological appearance of nervous tissue, not only by observing sections already prepared, but by actual work in the laboratory, where section cutting, staining and slide mounting will be taught.

In addition to the regular lectures on Insanity, visits will be made to the various City and State institutions for the care of the Insane, so as to acquaint the students more thoroughly with the characteristic features of this disease.

The subject is taught by Prof. Robertson, late Assistant Physician of the State Asylum for the Insane at Napa.

Histology and Pathology.—Professor D. W. Montgomery will strive to make this course as practical as possible. Sections of normal tissues and diseased organs ready for mounting will be given to the students, so that they may become familiarized with the methods of preparing specimens for examination. In this way the general principles of normal growth and development, and the operation of pathological laws, will be illustrated and fixed in the mind of the student. The use of the microscope as an aid to diagnosis in the examination of sputum, urine, blood, etc., will also be, in this way, illustrated as opportunity arises.

Dr. J. C. Spencer, Assistant to the Chair of Pathology and Histology, will conduct a course on normal histology and histological technique, beginning with the tissues and going on to the structure of the organs, fitting the student for the study of practical Pathology.

Bacteriology.—During the regular term, Dr. George H. F. Nuttall, Associate Professor of Bacteriology in Johns Hopkins University of Baltimore, will deliver a course of lectures upon the subject of Bacteriology. The eminent position of Professor Nuttall as a writer and original investigator in this important branch of medical science bespeaks the incalculable advantage to be derived from his instruction. These lectures will be illustrated by original cultures and slides prepared by Professor Nuttall personally. If possible, the lectures will be delivered under the University Extension System, in which case the profession at large and such of the general public as may be interested in medical progress will have an opportunity to attend.

Throughout the Regular Term, Thos. Bowhill, F.R.C.V.S., will conduct a course in Bacteriology, comprising the classification and microscopical examination of bacteria, stains and staining of cover glass specimens, sections of tissues, etc. The methods of cultivating bacteria and the preparation of culture media will also be described. The course will conclude with the description of the special qualities of pathogenic bacteria and an investigation of air, soil and water.

HOSPITAL APPOINTMENTS.

The position of Interne, or House Physician and Surgeon, in the City and County Hospital, is open each December to four members of the graduating class who recommend themselves to the Faculty by their diligence and general fitness for the appointments. Internes receive their board and lodging for one year, and secure opportunities for accumulating an invaluable experience in every field of Medicine and Surgery.

On completion of the term of service, a certificate is issued by the San Francisco Board of Health and the authorities of the City and County Hospital, as evidence of the faithful performance of the required duties.

Students of the senior class desiring these appointments are required to make application in writing to the Dean at least two weeks before the close of the session.

The City Receiving Hospital is open to students and graduates of this institution. In this hospital an excellent opportunity is afforded for experience in emergency work.

Several of the private hospitals in the city provide positions on the house staff, which are open to graduates of this College, viz:

St. Mary's Hospital, St. Luke's Hospital, U. S. Marine Hospital, La Maison de Santé (French Hospital), German Hospital, and the Hospital for Children.

Assistants to the staff of the San Francisco Polyclinic are also appointed from the graduates of this institution.

DISPENSARY CLINICS.

The Faculty has organized a Free Dispensary Clinic, which is held at the corner of Potrero avenue and Twenty-second street, directly opposite the City and County Hospital. Clinics are held daily, the proximity to the Hospital insuring an abundant supply of material.

The advantage of an out-patient clinic lies in the fact that the class of cases presented for observation is, to a great extent, that seen in office practice. Combined with hospital work, the Dispensary clinic forms an invaluable system of practical training for the student.

MATRICULATION EXAMINATION.

Students desiring to matriculate are required to undergo examinations for admission, with the following exceptions, viz :

1. Applicants who present certificates of having successfully passed the examination for admission to the College of Letters or the College of Science of the University of California, or of some other recognized University or College.

2. Applicants who present diplomas or certificates of graduation from the University of California, or of some other University or College.

3. Applicants who present diplomas or certificates of graduation from recognized High Schools and Academies.

4. Applicants who present a teacher's certificate granted by a recognized City or County Board of Examiners.

5. Applicants who present a diploma or certificate of graduation from a State Normal School of California, or of any other State or Territory.

The examinations for admission are in writing, and embrace the following subjects :

ENGLISH—A written composition, correct in spelling, punctuation and grammar, not to exceed one page foolscap in length, upon some subject connected with American history and biography.

ARITHMETIC—Including the metric system. The technical parts of Commercial Arithmetic, viz., banking, profit and loss, commission, taxes, duties, stocks, insurance, exchange, average of payments, will be omitted.

HISTORY of the United States and the general facts of Physical and Political Geography. Barnes' Brief History of the United States and the geographies used in the first grade grammar schools will serve to indicate the amount of knowledge expected.

PHYSICS—The elements of the subject taught experimentally, as shown in some such work as Gay's Elements of Physics, Peck's Ganot or Avery's Natural Philosophy.

LATIN—In 1894 and succeeding years, a knowledge of elementary Latin will be required. Students found deficient in this subject will be allowed one year to make up the deficiency.

Students who have attended one full course in any recognized regular Medical College, will, upon passing a satisfactory examination in the curriculum provided for the first year, be admitted as students of the *second course* in the University of California, provided the courses are in different calendar years.

Students who have attended two full courses in any recognized regular Medical College, will, upon passing a satisfactory examination in the curriculum provided for the second year, be admitted as students of the *third course* in this institution, provided the courses of lectures are in different calendar years.

Graduates of other regular Medical Colleges in good standing will be admitted as students of the *third course* in this institution without any examination.

Under no circumstances will a student be credited with attendance upon two courses of lectures, unless such courses have been in different calendar years.

Graduates of Pharmaceutical and Dental Colleges in good standing are admitted to the second year without examination.

Theological and Law Students will be admitted to special lectures without examination.

The matriculation examinations will be conducted at the College building on March 1st and June 1st.

No graduate of any Medical College having a course of less than three years will be admitted to the third course in this institution, without passing a satisfactory examination in the curriculum provided for the second year.

Diplomas from Homeopathic, Eclectic, and other irregular schools of medicine, will not be recognized.

BOARDING.

The expense of living in San Francisco is not great. Good board with room-rent may now be procured at the low rate of five dollars per week, at a convenient distance from the College building. Students from a distance may learn the address of these boarding-houses, and other information, by calling on the Dean of the Faculty, Dr. R. A. McLean, 603 Merchant street, corner of Montgomery.

FEES.

Matriculation Fee (paid but once).....	\$ 5
Demonstrator's Ticket.....	10
Fee for the First Course of Lectures.....	130
Fee for the Second Course of Lectures.....	130
No Fee is required for the Third Course of Lectures.	
Graduating Fee.....	40

Students who have already attended two full courses of lectures in other recognized regular schools, and graduates of other recognized regular schools who will be of less than three years standing at the end of a given session, are admitted to the full course of lectures of such session (not including practical anatomy) on the payment of the matriculation fee and sixty-five dollars.

Graduates of other recognized regular Medical Colleges, who have been engaged in the practice of medicine for three years, will be admitted to all didactic and clinical lectures on the payment of the matriculation fee only.

REQUIREMENTS FOR GRADUATION.

I. The candidate for the degree of Doctor of Medicine must have attained the age of twenty-one years, and be of good moral character.

II. He must have studied medicine three full years, and must have attended three regular courses of lectures in separate calendar years, the last of which must have been that of the University of California.

III. He must have passed the required examinations, written and oral.

IV. He must have pursued the study of Practical Anatomy during at least two sessions, and must present certificates of having dissected every part of the cadaver.

V. He must have paid in full the College fees, including the graduation fee.

FOUR YEARS' COURSE.

Matriculants of 1895 and succeeding years will be required to spend four years in medical study before presenting themselves for examination for graduation. The first year may be spent in any one of the following ways:

1. In the Medical Department of the University of California, in the study of Medical Physics, Biology and Elementary Botany.

2. In a recognized University or College where Medical Physics, Biology and Elementary Botany form part of the curriculum. A certificate from such a University or College that the applicant has passed a satisfactory examination in these branches will exempt him from further examination in them and will entitle him to enter as a second year student.

3. Students who have passed one year in studying the above subjects in a High School or in private tuition may present themselves to the Medical Department of the University for examination in these subjects, and, if found proficient therein, will be admitted as second year students, provided they pass the necessary preliminary examination, as given on page 15.

Text Books and Works of Reference.

ANATOMY—Gray, Holden, Weisse, Quain, Macalister, Treves' Applied Anatomy.

PHYSIOLOGY—Foster, Landois.

CHEMISTRY AND MATERIA MEDICA—Roscoe's Lessons in Elementary Chemistry; Remsen's Introduction to the Study of Chemistry; Holland's Urine, the Common Poisons, and the Milk; United States Pharmacopœia; United States Dispensatory.

HISTOLOGY—Rindfliesch, Stricker.

SURGERY—Ashurst, Bryant, Agnew, Toland, Erichsen.

PRACTICE OF MEDICINE—Strumpell, Osler, McNutt, Taylor, Reynolds.

CLINICAL MEDICINE—Da Costa, Tyson, Flint.

MIDWIFERY—Leishman, Playfair, Bedford, Lusk.

GYNECOLOGY—Thomas, Emmet, Sims.

THERAPEUTICS—Bartholow, Ringer, Brunton, Wood.

OPHTHALMOLOGY—Noyes, Mittendorf.

OTOLOGY—Roosa, Burnett.

RHINOSCOPY—Bosworth, Sayons.

PEDIATRICS—Lewis Smith, Meigs and Pepper, Eustace Smith.

DERMATOLOGY—Fox, Neumann, Duhring, Gowns, Hamilton, Ross, Ranney, Starr.

MENTAL DISEASES—Clouston, Spitzka, Maudsley, Bucknell and Tuke.

PATHOLOGY—Wagner, Delafield, Coates.

LARYNGOLOGY—McKenzie, Cohen.

HYGIENE AND MEDICAL JURISPRUDENCE—The Student's Handbook of Forensic Medicine and Medical Police, Husband; Practical Hygiene, Parkes; Manual of Medical Jurisprudence, Taylor.

PRESCRIPTION WRITING—Mann, Gerrish.

URINE ANALYSIS—Legge, Hoffmann and Ultzmann.

GRADUATES, 1892.

Edward von Adelung, Jr., B.S.....	Oakland, California
Guido Enrico Caglieri, B.S.....	San Francisco, California
Emma E. Crook.....	Paia Maui, Hawaiian Islands
S. J. Fraser, A.B.....	Avondale, Canada
Ernest Kinloch Johnstone.....	England
Frederick William Lowe.....	Knight's Ferry, California
James Francis McCone, B.S.....	Virginia City, Nevada
John Archibald Nelson.....	Sacramento, California
George Weston Ogden.....	Sacramento, California
Willam T. Rathbun.....	Williams, California
Franklin Hardin Sanborn.....	San Francisco, California
Lillie Bussenius Schram.....	St. Helena, California
Robert L. Sutherland, M. D.....	San Francisco, California
Wallace Irving Terry, B.S.....	Sacramento, California

MATRICULANTS, 1892.

Aird, J. W.....	Heber, Utah
Archambault, E. G.....	Vermont
Bacigalupi, L. D.....	San Francisco, California
Berndt, R. M. H.....	Germany
Blake, Sarah E.....	San Francisco, California
Bodkin, T. P., Ph.G.....	San Francisco, California
Booth, J. R.....	San Diego, California
Bradshaw, A. F.....	Orange, California
Brown, M. W.....	Alameda, California
Brown, Luther, M.D.....	New York, New York
Bryant, W. E.....	Oakland, California
Bunnell, Edwin, A.B.....	Berkeley, California
Cadwallader, Rawlins, A.M.....	San Diego, California
Clark, G. W.....	San Francisco, California
Conrad, D. A.....	San Francisco, California
Cothran, A. L.....	San José, California
Deal, Louise B.....	San Francisco, California
De Puy, E. Spence.....	Grant's Pass, Oregon
Dickenson, C. F.....	Fresno, California
Falck, Millicent E.....	San Francisco, California
Fine, Henry M.....	Watsonville, California
Fletcher, F. C.....	Toronto, Ontario
Fleming, Benj. F.....	San Francisco, California
Flood, J. J.....	Ireland
Freeman, C. H.....	Auburn, California
Freeman, E. M.....	Nova Scotia
Gade, O. F.....	Sweden
Gall, A. M.....	Stockton, California
Glover, C. A.....	San Francisco, California
Greene, Emma.....	San Francisco, California
Greth, August.....	France

Hamilton, Henrietta.....	Ireland
Harrison, Edw. S.....	England
Henry, T. S.....	Oakland, California
Hill, E. J.....	Eureka, California
Hobbs, Robt. M.....	Vallejo, California
Holmes, T. B.....	Alameda, California
Hooper, Harry.....	San Francisco, California
Horton, E. Shelton.....	New South Wales
Hyde, Simon E.....	Vermont
Ingersoll, Alson E.....	Illinois
Keefe, Jno. J., Ph.G.....	Grass Valley, California
Lagan, Hugh.....	Ireland
Leland, T. B. W.....	Jamestown, California
Looney, M. S. A.....	Ireland
Lovdal, G. B.....	Sacramento, California
Mack, W. B.....	Boston, Massachusetts
Maddock, Louis.....	Umatilla, Oregon
Maestretti, Antonio J.....	Austin, Nevada
Maguire, C. S., B.S.....	San Francisco, California
McCarthy, E. F.....	San Francisco, California
McClure, Wm. S.....	San Francisco, California
McCormick, Jos. F.....	Portland, California
McCullough, F. E.....	Oakland, California
McKnight, Nellie M.....	Bishop, California
Morrison, Mary E.....	San Francisco, California
Morrison, H. E.....	San Jose, California
Morrissey, J. G.....	San Francisco, California
Parker, B. J.....	Elk Grove, California
Pawlicki, C. F., B.S.....	San Francisco, California
Phelan, H. du R.....	San Francisco, California
Pond, G. P.....	San Francisco, California
Prosser, S. S., Ph.G.....	San Francisco, California
Rafferty, B. F., M.D.....	New Albany, Indiana
Rantz, S. H.....	Lakeport, California
Reamy, May.....	Stockton, California
Reese, R. E.....	San Jose, California
Reith, F. M.....	Sacramento, California
Rice, Elizabeth.....	Denver, Colorado
Robinson, F. B., B.S.....	San Francisco, California
Root, G. A., Ph.G.....	San Francisco, California
Ross, Fred. W.....	San Jose, California
Rowe, Fred. Wm., Ph.G.....	Nevada City, California
Ryfkogel, H. A. L.....	Nova Scotia
Sanborn, W. K., Ph.G.....	Benicia, California
Schrader, S. H.....	Sydney, New South Wales
Sefton, J. W., B.A., Ph.D.....	Valley City, North Dakota
Seifert, Chas. A., Ph.G.....	Keokuk, Iowa
Selling, Nathalie A.....	San Francisco, California
Simon, Grace.....	San Francisco, California

Smith, J. F., M.S.....	San Francisco, California
Stirewalt, H. W.....	Stockton, California
Stone, B. H.....	Grant's Pass, Oregon
Tiedemann, C. W., A.B.....	New York, New York
Thompson, J. G., Ph.B.....	Modesto, California
Thorne, W. M.....	San Francisco, California
Ware, Jno. H., Ph.G.....	Central City, Colorado
Wallis, Nat.....	Sydney, New South Wales
Welch, Frank C.....	Sacramento, California
Wilkes, F.....	England
Wright, H. E.....	Bishop, California
Whitsitt, F. H.....	Ireland

SUMMARY.

Graduates, 1892.....	14
Undergraduates, 1892.....	92
Total.....	<u>106</u>

COMPLETE LIST OF GRADUATES.

Addington, D. M.	Bartlett Springs, California.	1879
Adelung, Edw. von, Jr., B.S.	San Francisco, California.	1892
Allen, Edward O.	New York, New York.	1875
Alexander, Monroe E.	Pendleton, Oregon.	1888
Anderson, J. A.	San Francisco, California.	1873
Anderson, Winslow.	San Francisco, California.	1884
Armistead, Howell V.	Berkeley, California.	1885
Baker, Henry A.	San Francisco, California.	1891
Baldwin, Robert O.	Oakland, California.	1885
Barbat, John H., Ph.G.	San Francisco, California.	1888
Barber, Edward T.	Eel River, California.	1866
Bates, Charles B.	San Francisco, California.	1868
Bates, Walter E.	Daisyville, California.	1881
Beardsley, E. M.	San Francisco, California.	1881
Beaumeister, B. H.	San Francisco, California.	1882
Beede, Wm. M. S.	Stockton, California.	1884
*Benedict, C. W.	Virginia City, Nevada.	1875
*Bettleheim, A. F.		1880
Biggs, F. P.	Valparaiso.	1874
Biggs, M. H.	Lima, Peru.	1870
Blake, Chas. M.	San Francisco, California.	1876
Blake, Charles R.	San Francisco, California.	1891
Blake, James W.	San Francisco, California.	1874
Bond, Fred. T., Ph.G.	San Francisco, California.	1890
Bordé, Henry J.	San Francisco, California.	1883
Bradbury, Geo. F.	San Francisco, California.	1878
Brannan, J. J.	Healdsburg, California.	1876
Brierly, Conant B.	San Francisco, California.	1876
Bromly, R. I.	Sonora, California.	1882
Brown, Ernest S.	San Francisco, California.	1886
Brown, Geo. J.	Fort Bragg, California.	1876
Bruns, W. C.	Portland, Oregon.	1878
Buckley, Vincent P.	San Francisco, California.	1884
Bunker, Robert E.	Bloomington Ferry, Minnesota.	1889
Burchard, L. S.	Oakland, California.	1882
Burnham, Clark J.	San Francisco, California.	1891
Caglieri, Guido E., B.S.	Europe.	1892
Cairns, Jonn C.	San Francisco, California.	1876
Calbreath, John F.	Weston, Virginia.	1875
Caldwell, H. H.	San Jose, California.	1880
Caldwell, Robert.	San Jose, California.	1869
Callaghan, D. T.	Grand Gulf, Mississippi.	1873
Cameron, James S.	Red Bluff, California.	1868
Chaigneau V. A.	Crescent City, California.	1876
Churchill, Leonard.	San Francisco, California.	1871
Chalmers, Wm. P.	San Francisco, California.	1886

*Deceased.

Clark, J. J.....	San Francisco, California.....	1869
Clark, Wm. D.....	San Francisco, California.....	1884
Clinton, C. A.....	San Francisco, California.....	1881
Cluness, Wm. R., Jr.....	Sacramento, California.....	1887
Cochran, W. A.....	San Francisco, California.....	1869
Collischonn, Phillip.....	San Francisco, California.....	1891
Conlan, Wm. E.....	San Francisco, California.....	1886
Collins, Addison C.....	Golden Gate, California.....	1885
Connolly, John J.....	Fresno, California.....	1878
Connolly, Thos. E.....	San Francisco, California.....	1884
Cook, Frank S.....	San Francisco, California.....	1887
Corbett, S. J.....	San Francisco, California.....	1868
Cox, Rosamond L.....	San Francisco, California.....	1888
Cox, Thos. H.....	San Francisco, California.....	1873
Crook, Emma E.....	San Francisco, California.....	1892
Curran, Mary K.....	San Francisco, California.....	1878
Damour, Ferdinand.....	San Francisco, California.....	1864
D'Ancona, Arnold A., A.B.....	San Francisco, California.....	1884
Davie, J. C., Jr.....	Victoria, Vancouver's Island....	1864
Davidson, Joseph R.....	San Francisco, California.....	1875
Dawson, Alson.....	New York, New York.....	1875
Day, John G.....	San Francisco, California.....	1884
Dean, Andrew J.....	Haywards, California.....	1881
Delmont, Francois.....	San Francisco, California.....	1874
*Dennis, Nathan P.....		1888
De Puy, Anson A.....	Grant's Pass, California.....	1881
Dodge, Henry W.....	San Francisco, California.....	1884
Downs, George W.....	Vallejo, California.....	1879
Drinkhouse, E. J. C.....	San Francisco, California.....	1865
Driscoll, Edward P., Ph.G.....	San Francisco, California.....	1891
Dubois, A. L.....	San Leandro, California.....	1864
Dunbar, Arthur W.....	San Francisco, California.....	1891
Duncan, S. C.....	Vallejo, California.....	1877
Dunn, James P. H., S.B.....	Oakland, California.....	1888
Enright, Chas. M., A.B.....	San Francisco, California.....	1884
Estes, Melvin B.....	San Francisco, California.....	1888
Evans, C. W.....	Modesto, California.....	1881
Felt, Rae.....	Eureka, California.....	1890
Fenn, C. N.....	San Diego, California.....	1865
Fine, Andrew.....	Oakland, California.....	1866
Foote, Gilbert.....	Honolulu, Hawaiian Islands....	1879
Ford, Campbell.....	San Francisco, California.....	1891
Foreman, Francesca I.....	San Francisco, California.....	1889
Fottrell, Michael J.....	San Francisco, California.....	1887
*Foulkes, J. F., Jr.....		1880
Fraser, S. J., A. B.....	San Francisco, California.....	1892
Frick, Euclid B.....	Philadelphia, Pennsylvania....	1888
Frost, Joseph.....	San Francisco, California.....	1877

*Deceased.

Gale, Herbert A.....	Sacramento, California.....	1879
Gallwey, John.....	San Francisco, California.....	1885
Gates, Frank H.....	Haywards, California.....	1884
Gilham, G. W.....	Oakland, Oregon.....	1881
Glaze, George I.....	San Francisco, California.....	1887
Gleaves, Christopher C.....	Anderson, California.....	1889
Grattan, E. L.....	San Francisco, California.....	1881
Gros, Edward.....	San Francisco, California.....	1865
Guilemard, A. J.....	San Francisco, California.....	1878
Hackett, John.....	Markham, California.....	1867
Haile, C. S.....	Alameda, California.....	1869
Hampton, James E.....	San Francisco, California.....	1871
Handy, J. C.....	Tucson, Arizona.....	1864
Hansen, Thomas C.....	San Francisco, California.....	1867
Happersberger, Albert K., A.B.....	San Francisco, California.....	1888
Harmon, R.....	Oakland, Oregon.....	1879
Harris, Thomas W.....	Russellville, Indiana.....	1875
Haskins, Wm. H.....	San Francisco, California.....	1889
Hawkins, Wm. J.....	San Francisco, California.....	1890
Heavitt, Granville.....	San Francisco, California.....	1866
Heinimann, J. M.....	San Francisco, California.....	1877
*Hicks, Young E.....		1874
*Hodgdon, W. H. A.....		1876
Holmes, Edw. R.....	Revenue Steamer "Bear".....	1889
Hook, Walter E.....	Oakland, California.....	1879
Hopkins, T. P.....	Potter Valley, California.....	1880
Howard, Katherine I.....	San Francisco, California.....	1885
Howard, Wm. B.....	Modesto, California.....	1887
Howell, H. H.....	Bishop Creek, California.....	1879
Hughes, Jerome A.....	San Francisco, California.....	1883
Hughes, L. J.....	San Francisco, California.....	1879
Hunkin, Sam. J.....	San Francisco, California.....	1890
Johnstone, A.....	Brooklyn, New York.....	1879
Johnstone, Ernest K.....	San Francisco, California.....	1892
Jones, Ottowell W.....	San Francisco, California.....	1889
Joseph, Simon E.....	East Portland, Oregon.....	1877
Kawakami, Masayasu.....	Japan.....	1889
Keane, George B.....	San Francisco, California.....	1875
Kelly, John L.....	Lewiston, Idaho.....	1884
Kingsley, Thomas H.....	Lower Lake, California.....	1886
Kirby, William T.....	San Francisco, California.....	1891
Kirchhoffer, Frederick.....	San Francisco, California.....	1887
Kirkpatrick, C. A.....	Redwood City, California.....	1871
Kirkwood, J. W.....	Salem, Oregon.....	1876
Kobayashi, Sankio.....	Japan.....	1887
Kosbue, A. Emil.....	Yuba City, California.....	1875
Kugeler, Henry B. A.....	San Francisco, California.....	1890
Kurtz, Joseph.....	Los Angeles, California.....	1875

*Deceased.

Lagan, Edward.....	San Francisco, California.....	1891
Laidlaw, Horace.....	Oakland, California.....	1880
Le Fevre, J. P.....	San Francisco, California.....	1881
Lewitt, F. A.....	Eureka, California.....	1878
*Lindenberger, W. H.....	Bartlett Springs, California.....	1876
Lingo, Marin B.....	Salem, Oregon.....	1866
Lonigo, Emile V.....	San Francisco, California.....	1883
Lord, Franklin F.....	San Francisco, California.....	1880
Lovett, Wm. B.....	San Francisco, California.....	1883
Lowe, Fred. W.....	San Francisco, California.....	1892
*Lundborg, Gustaf W.....		1883
Lustig, Daniel D., Ph.G.....	San Francisco, California.....	1885
*Lyford, L. Dexter.....		1872
Macdonald, James M.....	Oakland, California.....	1891
Mackenzie, J. H.....	Edinburg, Scotland.....	1870
Mann, Chas. S.....	Newport, Oregon.....	1890
Martineaut, E. D.....	San Francisco, California.....	1873
Martinez, John M.....	Guatemala.....	1890
Marx, Frances R.....	Europe.....	1889
Mason, Benjamin F.....	San Leandro, California.....	1875
Mather, Squire R.....	San Francisco, California.....	1889
Matthewson, J. M.....	Oakland, California.....	1882
Mayer, Oscar J., Ph.G.....	Germany.....	1889
Mays, Arthur H.....	San Francisco, California.....	1887
Mays, Wm. H.....	San Francisco, California.....	1873
McColl, G. F.....	East Portland, Oregon.....	1877
McCone, Jas. F., B.S.....	Europe.....	1892
McCormack, Herbert F., A.B.....	Eugene, Oregon.....	1876
McCoy, Juan W.....	San Francisco, California.....	1884
McDermott, Wm. P.....	San Francisco, California.....	1874
McDonald, J. J.....	Eugene, Oregon.....	1877
McGuire, Lucius.....	San Francisco, California.....	1868
McLaughlin, M. A.....	San Francisco, California.....	1878
McLean, John T.....	Newman, California.....	1887
McLean, Robert A.....	San Francisco, California.....	1874
McMurdo, John R., Ph.G.....	San Francisco, California.....	1891
Mervy, Emile C.....	San Francisco, California.....	1883
Merritt, T. W.....	San Francisco, California.....	1882
Meyer, Albert G.....	San Francisco, California.....	1890
Meyers, R. C.....	San Francisco, California.....	1880
Miller, Chas. F.....	Ventura, California.....	1874
Miller, John A.....	San Francisco, California.....	1875
Milton, Joseph L.....	San Francisco, California.....	1891
Minor, John F.....	San Francisco, California.....	1876
Mohun, Chas. C., Ph.G.....	San Francisco, California.....	1890
Molony, James John, Ph.G.....	San Francisco, California.....	1891
Moody, Mary F.....	San Francisco, California.....	1882
Morgan, F. E.....	Santa Cruz, California.....	1881

*Deceased.

Morrill, Augustus L.....	San Francisco, California.....	1887
Morse, Fred. W.....	San Francisco, California.....	1891
Mueller, H. E.....	Brooklyn, California.....	1880
*Muenter, Henry.....		1882
Nelson, John A.....	San Francisco, California.....	1892
Newmark, Valentine.....	San Francisco, California.....	1868
Nichols, Theodore A.....	Mission San Jose, California..	1885
Noble, John A.....	San Francisco, California.....	1888
Nottage, George E.....	Stockton, California.....	1874
Nuttall, George H. F.....	Baltimore, Maryland.....	1884
O'Brien, Aloysius P.....	San Francisco, California.....	1889
Ogden, Geo. W.....	Sacramento, California.....	1892
Olds, Wm. H.....	San Francisco, California.....	1881
Oliver, Joseph A.....	San Francisco, California.....	1889
Olsen, Marie Colditz.....	San Francisco, California.....	1891
*O'Neill, A. A.....		1867
O'Neill, J. C.....	Vallejo, California.....	1873
Oster, Chas.....	Oakland, Oregon.....	1878
Oviedo, Louis P., A.B.....	San Francisco, California.....	1891
Park, Theorilda C.....	San Francisco, California.....	1887
Partsch, Herman.....	San Francisco, California,	1884
Paton, Chas. J.....	San Francisco, California.....	1883
Patterson, T. J.....	Visalia, California.....	1882
Payne, J. R.....	San Diego, California.....	1882
Perrault, Edward L.....	Idaho.....	1885
Pescia, Joseph.....	San Francisco, California.....	1877
Petrie, Frank B., Ph.G.....	San Francisco, California.....	1891
Plant, Benj. A.....	Santa Cruz, California.....	1886
Plummer, Richard H.....	San Francisco, California.....	1866
Pond, Henry M.....	St. Helena, California.....	1880
Pond, W. B.....	Napa, California.....	1864
Pope, Horace E.....	Detroit, Michigan.....	1876
Powell, J. M.....	Mammoth, Oregon.....	1876
Pressley, J. B.....	Sanger, California.....	1882
*Prevost, J. Renny.....	San Jose, California.....	1866
Pruett, J. A.....	Pendleton, Oregon.....	1878
Quinlan, Albert P.....	San Francisco, California.....	1876
Rathbun, Geo. T.....	Williams, California.....	1892
Reardon, T. B.....	Oroville, California.....	1882
Reardon, Wm. E.....	San Francisco, California.....	1887
Reed, Clarence E.....	Hawthorne, Nevada.....	1883
Reich, George A.....	Seattle, Washington.....	1877
Reynolds, George E.....	Steamship "Oceanic".....	1877
Richardson, J. A.....	Salem, Oregon.....	1866
Riley, J. S.....	Port Costa, California.....	1883
Robertson, John W.....	San Francisco, California.....	1880
Robinson, Luke.....	San Francisco, California.....	1867
Rorke, James.....	San Francisco, California.....	1876

*Deceased.

Rucker, H. N.....	Stockton, California.....	1870
Rupe, Samuel H	Healdsburg, California.....	1866
Sabey, L. A.....	Crescent City, California.....	1880
Sage, H. T.....	San Francisco, California.....	1870
Sanborn, Franklin H.....	San Francisco, California.....	1892
Sawyer, H. C.....	San Francisco, California.....	1881
Shellhouse, E. J.....	Sinaloa, Mexico.....	1875
Schnabel, Martin.....	Newcastle.....	1873
Scholl, Albert J.....	Los Angeles, California.....	1890
Scholl, Albert L., Ph.G.....	San Francisco, California.....	1884
Schram, Lillie B.....	St. Helena, California.....	1892
Scott, Arthur W.....	San Francisco, California.....	1879
Seavey, L. T.....	Port Townsend, Washington...	1878
Seawell, John L.....	Healdsburg, California.....	1870
Seawell, Thomas H.....	Healdsburg, California.....	1876
Sellon, Anna F.....	San Francisco, California.....	1881
Senter, E. S.....	San Jose, California.....	1882
Shannon, James.....	Seattle, Washington.....	1887
Sheets, John H.....	Buckley, Washington.....	1881
Shelton, Thomas W.....	Salem, Oregon.....	1867
Sherman, Elenora S... ..	Los Gatos, California.....	1884
Shuey, Sarah I.....	Oakland, California.....	1878
Sichel, Gust. W.....	San Francisco, California.....	1876
Simon, Jules A.....	San Francisco, California.....	1875
Sims, John Marion.....	San Francisco, California.....	1891
Smith, George S.....	Half Moon Bay, California.....	1879
Smith, T. H.....	Eureka, California.....	1876
Smith, Weston O.....	San Francisco, California.....	1891
Smith, Wm. P.....	Salem, Oregon.....	1875
Soboslay, Julius.....	San Francisco, California... ..	1886
Sparkes, Agnes.....	San Francisco, California.....	1879
Spring, Charlotte B.....	San Francisco, California.....	1890
Stanton, James.....	San Francisco, California.....	1882
Steely, John.....	Kirbyville, Oregon.....	1867
Stevenson, J. R.....	Redding, California.....	1877
*Stewart, J. M.....	1882
Stivers, C. A.....	San Francisco, California.....	1864
Summers, G. M.....	Easton, California.....	1876
Summers, John F.....	Easton, California.....	1878
Surryhne, Benj. F.....	San Francisco, California.....	1890
Sutherland, Robert L.....	San Francisco, California.....	1892
Sutro, Emma L.....	San Francisco, California.....	1881
Swann, Charles M.....	San Francisco, California.....	1875
Swisher, J. R.....	Healdsburg, California.....	1877
Tartar, A. P.....	Tehama, California.....	1882
Taylor, Edward R.....	San Francisco, California.....	1865
Terry, Wallace I., B.S.....	San Francisco, California.....	1892
Tevis, Henry L.....	San Francisco, California.....	1887

*Deceased.

Thrasher, Marion.....	San Francisco, California.....	1890
*Toland, Charles A.....		1869
Tuggle, Samuel P.....	San Francisco, California.....	1889
Turner, J. T.....	Mariposa, California.....	1869
Tuttle, H. P.....	Tacoma, Washington.....	1869
Urban, Kurt.....	San Francisco, California.....	1883
Voigt, W. C.....	Stillwater, Minnesota.....	1879
Von Buelo, F.....	San Francisco, California.....	1877
Wade, Mark S.....	San Francisco, California.....	1889
Walz, G.....	San Francisco, California.....	1868
Wanzer, L. M. F.....	San Francisco, California.....	1876
Warner, James Kyle.....	San Francisco, California.....	1891
Watanabe, Tey.....	Japan.....	1887
Waters, John W.....	Carson City, Nevada.....	1874
Wayson, James T.....	Port Townsend, Washington.....	1891
Webber, J. S.....	Sierra County, California.....	1869
Weeks, F. L.....	San Francisco, California.....	1864
Wheaton, S. P.....	Oakland, California.....	1877
Whittell, A. P.....	San Francisco, California.....	1873
Weiss, E. M.....	San Francisco, California.....	1877
Welch, W. P.....	San Francisco, California.....	1864
White, James T.....	Oakland, California.....	1888
Wickman, Wm. J.....	San Rafael, California.....	1883
Widney, J. P.....	Los Angeles, California.....	1867
Wilcox, Wilber J.....	Oakland, California.....	1885
Williams, Robert B.....	San Diego, California.....	1887
Williamson, John M.....	San Francisco, California.....	1885
Williamson, W. T.....	East Portland, Oregon.....	1877
Wilson, Kemlo R. McD.....	Scotland.....	1886
Winton, Henry N.....	San Francisco, California.....	1885
Woods, W. E. Josephine.....	San Jose, California.....	1885
*Wooster, David.....		1885
Young, Junius D.....	Stockton, California.....	1881
Younger, Alex. J.....	San Francisco, California.....	1869
Younger, Edward A.....	San Francisco, California.....	1879
Zeyn, Gustav C.....	Alameda, California.....	1889
Total.....		321

THE ALUMNI ASSOCIATION.

The Alumni Association of the Medical Department of the University of California now includes in its membership most of the graduates of the institution, and the officers for the ensuing year take pleasure in announcing a prosperous outlook for the Association.

The objects of the Society are the promotion of the prosperity of our *Alma Mater*, the maintenance and cultivation of fraternal feeling among the alumni, and the advancement of the interest of medical education and the diffusion of scientific knowledge.

The Professors and Teachers in the Medical Department are entitled to honorary membership with an appropriate certificate.

The meetings during 1892 will be held monthly, at the offices of the members residing in San Francisco, and the annual meeting will be held in a public hall the early part of December. At these meetings medical and scientific topics will be brought up for discussion, and all present asked to participate.

Papers and reports of special cases are solicited from members outside of the city or abroad.

The annual banquet will be given the evening preceding the commencement exercises of the College.

The following officers have been elected for 1892 :

JAS. W. BLAKE, M.D., President.
M. W. MOODY, M.D., Vice-President.
JULES SIMON, M.D., Secretary.
K. I. HOWARD, M.D., Treasurer.

Executive Committee.

A. P. WHITTELL, M.D.
WASHINGTON DODGE, M.D.
L. M. F. WANZER, M.D.

All alumni are cordially invited to identify themselves with the Association and assist in the promotion of its welfare.

For further particulars address the Secretary of the Association—

JULES SIMON, M. D.,
No. 323 Geary Street,
San Francisco, Cal.

UNIVERSITY OF CALIFORNIA.

ACADEMIC SENATE.

NOTE.—The Faculties of the University, together with the Instructors, constitute by law the Academic Senate.

The names, excepting those of the President and Secretary, are arranged in the order of original accession to membership in the Academic Senate.

MARTIN KELLOGG, A.M., ACTING PRESIDENT, Professor of the Latin Language and Literature.

JOHN HARMON C. BONTÉ, A.M., D.D., SECRETARY, Professor of Legal Ethics.

JOSEPH LeCONTE, A.M., M.D., LL.D., Professor of Geology and Natural History.

FRANK SOULÉ, GRADUATE U. S. MILITARY ACADEMY, WEST POINT, Professor of Civil Engineering and Astronomy.

STEPHEN JOHNSON FIELD, LL.D., Honorary Professor of Law.

WILLARD BRADLEY RISING, A.M., M.E., PH.D., Professor of Chemistry.

GEORGE WOODBURY BUNNELL, A.M., Professor of the Greek Language and Literature.

GEORGE DAVIDSON, PH.D., D.Sc., Honorary Professor of Geodesy and Astronomy.

RICHARD BEVERLY COLE, A.M., M.D., M.R.C.S., Eng., Professor of Obstetrics and Gynecology.

GEORGE CUNNINGHAM EDWARDS, PH.B., Associate Professor of Mathematics.

ALVIN PUTZKER, A.M., Professor of the German Language and Literature.

EUGENE WOLDEMAR HILGARD, PH.D., LD.D.* Professor of Agriculture and Agricultural Chemistry, and Director of Agricultural Experiment Stations.

SAMUEL BENEDICT CHRISTY, PH.B., Professor of Mining and Metallurgy.

FREDERICK SLATE, B.S., Associate Professor of Physics and Instructor in Mechanics.

FREDERICK GODFREY HESSE, Professor of Mechanical Engineering.

* Absent on leave during Academic year 1892-1893.

- BERNARD MOSES, PH.D., Professor of History and Political Economy.
- WILLIAM CAREY JONES, A.M.* Associate Professor of United States History.
- WILLIAM THEODORE WENZELL, M.D., PHARM. M.* Professor of Chemistry in the College of Pharmacy.
- ROBERT ARMISTEAD McLEAN, M.D., Professor of Clinical and Operative Surgery ; Dean of the Medical Faculty.
- GEORGE AUGUSTUS SHURTLEFF, M.D., Emeritus Professor of Mental Diseases and Medical Jurisprudence.
- WILLIAM FLETCHER McNUTT, M.D., L.R.C.S. AND L.R.C.P., Professor of the Principles and Practice of Medicine.
- SERRANNO CLINTON HASTINGS, LL.D., Professor of Comparative Jurisprudence.
- EDMOND O'NEILL, PH.B., Assistant Professor of Organic and Physiological Chemistry.
- EDWARD JAMES WICKSON, A.M., Associate Professor of Agriculture, Horticulture and Entomology.
- HANS HERMAN BEHR, M.D., Professor of Botany in the College of Pharmacy.
- WILLIAM MARTIN SEARBY, Professor of Materia Medica in the College of Pharmacy, and Dean of the Pharmaceutical Faculty.
- WILLIAM EDWIN TAYLOR, M.D., Professor of the Principles and Practice of Surgery.
- CLARK LAMOTTE GODDARD, A.M., D.D.S., Professor of Orthodontia and Dental Metallurgy.
- ABRAHAM LEWIS LENGFELD, M.D., Professor of Materia Medica and Medical Chemistry.
- IRVING STRINGHAM, PH.D., Professor of Mathematics, Dean of the Faculty of Letters and of the Faculties of Science.
- EDWARD LEE GREENE, PH.B., Associate Professor of Botany.
- CORNELIUS BEACH BRADLEY, A.M., Associate Professor of the English Language and Literature.
- WILLIAM BREAKEY LEWITT, M.D., Professor of Anatomy in the College of Dentistry.
- BENJAMIN RALPH SWAN, M.D., Professor of the Diseases of Children.

*Absent on leave during Academic year 1892-1893.

GEORGE HOLMES HOWISON, LL.D., Mills Professor of Intellectual and Moral Philosophy and Civil Polity.

LUIS LANE DUNBAR, D.D.S., Professor of Operative Dentistry and Dental Histology, and Dean of the Dental Faculty.

MAURICE JAMES SULLIVAN, D.D.S., Professor of Deutal Pathology and Therapeutics.

CHARLES WILLIAM SLACK, PH.B., LL.B., Professor of Municipal Law.

HERMANN KOWER, C.E., Assistant Professor of Instrumental Drawing.

EDWARD SINGLETON HOLDEN, A.M., LL.D., Director of the Lick Observatory, and Astronomer.

GEORGE HERMAN POWERS, A.M., M.D., Professor of Ophthalmology and Otology.

JOACHIM HENRY SENGER, PH.D., Assistant Professor of German.

WILLIAM WATT KERR, A.M., M.B., C.M., Professor of Clinical Medicine.

FELICIEN VICTOR PAGET, BACHELIER ES LETTRES, BACHELIER ES SCIENCES, Assistant Professor of the French and Spanish Languages.

ARNOLD ABRAHAM D'ANCONA, A.B., M.D., Professor of Physiology and Microscopy.

THOMAS RUTHERFORD BACON, A.B., Associate Professor of European History.

ELISHA WILLIAMS MCKINSTRY, LL.D., Professor of Municipal Law.

WILLIAM DALLAM ARMES, PH.B., Instructor in English.

DOUGLAS WILLIAM MONTGOMERY, M.D., Professor of Pathology and Microscopy; Curator of the Medical Department.

GEORGE MOREY RICHARDSON, PH.D., Assistant Professor of Latin.

CHARLES MILLS GAYLEY, A.B., Professor of the English Language and Literature.

MELLEN WOODMAN HASKELL, PH.D., Assistant Professor of Mathematics.

ARMIN OTTO LEUSCHNER, A.B., Instructor in Mathematics.

ALEXIS F. LANGE, PH.D., Assistant Professor of English.

BENJAMIN HARRISON RANDOLPH, FIRST LIEUTENANT, THIRD U. S. ARTILLERY, Professor of Military Science and Tactics.

ANDREW COWPER LAWSON, A.M., PH.D., Associate Professor of Geology and Mineralogy.

HENRY IRWIN RANDALL, B.S., Instructor in Civil Engineering.

ISAAC FLAGG, PH.D., Associate Professor of Classical Philology.

WASHINGTON DODGE, M.D., Professor of Therapeutics.

JOHN MARSHALL WILLIAMSON, M.D., Professor of Anatomy.

HENRY FREDERICK MEIER, Professor of the Theory and Practice of Pharmacy.

JEROME JOHN BAPTIST ARGENTI, PH.G., Professor of Microscopy and Pharmacognosy.

ROBERT HILLS LOUGHRIDGE, PH.D., Assistant Professor of Agricultural Geology and Agricultural Chemistry.

CHARLES FOSTER DIO HASTINGS, Dean of the Faculty of Law.

CHARLES WILLIAM WOODWORTH, M.S., Assistant Professor of Entomology.

WALTER EDMUND MAGEE, Instructor in Physical Culture.

LOUIS PAPARELLI, LIC. AG., Instructor in Viticulture and Olive Culture.

WILLIAM EMERSON RITTER., M.A., Instructor in Biological Laboratory.

SAMUEL DAVID HUNTINGTON, A.B., Instructor in French.

FRANK GELETT BURGESS, S.B., Instructor in Topographical and Free-hand Drawing.

JOHN WOOSTER ROBERTSON, A.B., M.D., Professor of Mental Diseases and Medical Jurisprudence.

JOHN MARTIN SCHAEBERLE, C.E., Astronomer.

EDWARD EMERSON BARNARD, A.M., Astronomer.

WILLIAM WALLACE CAMPBELL, C.E., Astronomer.

HAROLD WHITING, PH.D., Assistant Professor of Physics.

MEYER EDWARD JAFFA, PH.B., Instructor in Agricultural Laboratory.

GEORGE ELDON COLBY, PH.B., Instructor in Viticultural Laboratory.

FRANKLIN BOOTH, B.S., Instructor in Assaying and Assistant in Metallurgy.

ELMER REGINALD DREW, B.S., Instructor in Physics.

JOSEPH ADAM SLADKY, Superintendent and Instructor in the Mechanical and Electrical Engineering Laboratories.

FRANK HOWARD PAYNE, M.D., Director of Physical Culture.

ELMER ELLSWORTH BROWN, PH.D., Associate Professor of the Science and Art of Teaching.

LOUIS DU PONT SYLE, M.A., Instructor in English.

FRANKLIN THEODORE GREEN, PH.G., Professor of Chemistry, *ad interim* in the College of Pharmacy.

FRED EMORY HAYNES, PH.D., Instructor in United States History.

ARCHIE BURTON PIERCE, A.M., Instructor in Mathematics.

WILLIAM JOHN SHARWOOD, ASSOC. ROYAL SCH. OF MINES, London, Instructor in Chemistry.

CLARENCE LINUS CORY, M.M.E., Assistant Professor of Mechanical and Electrical Engineering.

UNIVERSITY OF CALIFORNIA.

The Post Graduate Medical Department

THE SAN FRANCISCO POLYCLINIC

A SCHOOL OF CLINICAL MEDICINE FOR GRADUATES OF
COLLEGES OF REGULAR MEDICINE.

MARTIN KELLOGG, A. M., Acting President of the University.

LOUIS BAZET, M. D., Professor of Genito-Urinary Surgery.

H. C. BOWIE, A. M., M. D., Professor of Neurology.

EDWARD S. CLARK, M. D., Professor of Otology.

FRED. W. D'EVELYN, M. B., C. M., Edin., Professor of Pediatrics.

C. A. VON HOFFMANN, M. D., Professor of Gynecology and Obstetrics.

HENRY KREUTZMANN, M. D., Professor of Gynecology and
Obstetrics.

DOUGLASS W. MONTGOMERY, M. D., Professor of Venereal
Diseases and Dermatology.

JOHN F. MORSE, M. D., Professor of Surgery.

MARTIN REGENSBURGER, M. D., Professor of Venereal Diseases
and Dermatology.

HARRY M. SHERMAN, A. M., M. D., Professor of Orthopedic
Surgery.

GEORGE F. SHIELS, M. D., C. M., Edin., F. R. C. S. E., Professor
of Surgery.

J. H. STALLARD, M. B., M. R. C. P., Lond., M. R. C. S., Eng.,
Professor of Medicine.

HENRY L. WAGNER, M. D., Ph. D., Professor of Ophthalmology.

A. P. WHITTELL, M. D., Professor of Ophthalmology.

W. F. McNUTT, M. D., M. R. C. P., Edin., Professor of Diseases of
Heart and Kidneys.

W. E. HOPKINS, M. D., Professor of Rhinology and Laryngology.

W. A. MARTIN, M. D., Professor of Rhinology and Laryngology.

LUKE ROBINSON, M. D., M. R. C. P., Lond., Professor of Gynecology.

W. H. MAYS, M. D., Professor of Gynecology.

LEO NEWMARK, M. D., Professor of Neurology.

J. C. SPENCER, A. B., M. D., Professor of Bacteriology.

THE REGULAR COURSE.

The Regular Course begins on the 1st of June and continues six months.

During the Regular Course there will be given at the Polyclinic House each week twenty-two Clinical Lectures, each being illustrated by cases selected from the large number of patients attendant at the clinics of the San Francisco Polyclinic. These lectures will cover the range of medicine in its present scope, and all its subdivisions into specialties. They will be entirely practical in character, the intention being to demonstrate to each student the clinical features of the cases that present themselves.

In addition to these Clinical Lectures, and as part of the same course, there will be given each week in the four hospitals of San Francisco, on the visiting staff of which are members of the Faculty of the Post Graduate School, eighteen Hospital Clinics. At none of these will the attendance be permitted to be large, for they will be held, for the most part, in private hospitals, and this will insure that all who are present will have full opportunities for seeing everything that is done on the operating table, and of following the post-operation management and the course of the case.

SELECTION OF COURSES.

Matriculants may elect to attend all or any number of the classes of the Regular Course for the whole six months, or for any shorter time; but tickets may not be sold for a course shorter than six weeks. For these partial courses entrance may be had at any time up to the 15th of October.

BACTERIOLOGY.

The apparatus for the complete equipment of a Bacteriological Laboratory is now en route to San Francisco from Berlin. Upon acquiring this laboratory the Post Graduate Department of the University will have the only teaching laboratory of its kind on the Pacific Coast.

It is not probable that this laboratory will be open for the reception of students before the Special Course, which will begin 15th of March, 1893. The exact date of opening, information concerning courses of study, fees and other matters will be announced in a special circular.

DEGREES AND CERTIFICATES OF ATTENDANCE.

The Regular Course of Clinical Lectures has been planned to follow and supplement the three-year's course of Didactic Lectures, and the time spent in attending this course in the Post Graduate Medical Department will be accepted by the University as a fourth year of study.

To graduates of the Medical Department of the University who attend this course and successfully pass the required examinations the Regents will issue a Post Graduate Degree, testifying to the four years of study, and entitling the holder to recognition from those Universities, Colleges and States which require four years of study for the obtainment of the degree.

To graduates of schools of medicine, other than the Medical Department of the University of California, the requirements of which for the obtaining of the degree of Doctor of Medicine are equal to those of the University of California, the same degree will be issued upon the same terms.

To attendants upon partial courses, the Faculty of the Post Graduate Medical Department will issue Certificates of Attendance.

SPECIAL COURSES.

The Special Courses are each of six weeks' duration, viz: from the 1st of January to the 15th of February, and from the 15th of March to the 1st of May.

During the continuance of a Special Course, in addition to the Clinical Lectures and Clinics, there will be given thirty-six Extra Lectures—six lectures upon each of six special subjects, by members of the Post Graduate Faculty.

These Extra Lectures are intended to be a resumé of the work of investigation recently done, or advances in knowledge made in any special subject, and to present a fair statement of the present status of medical science and art in that subject.

I.

The first of these Special Courses begins 1st of January, 1893, and the Extra Lectures will be on the following subjects, and by the following members of the Faculty:

Professor HOPKINS—1. Surgical Anatomy of the Nose. 2. The various methods of examining the Nose with practical demonstration. 3 and 4. Chronic pathological conditions of the Nose and the various surgical procedures for relief. 5. Affections of the Antrum of Highmore and the Frontal Sinuses, and the surgical measures for relief. 6. Topical applications to the Nose.

Professor WAGNER—1. Ophthalmic Asepsis and Antisepsis. 2. Injuries to the Eyeball. 3. Phlyctenular Keratitis. 4. Iritis. 5. Sympathetic Ophthalmia. 6. Glaucoma.

Professor McNUTT—Diseases of Heart and Kidneys.

Professor KREUTZMANN—1. Management of Labor. 2. Abortion. 3. Fever in Childbed. 4. Relation of Tumors of the Uterus and Ovaries to Gestation. 5. Ætiology of Gynecological Diseases. 6. Displacements of the Uterus.

Professor MONTGOMERY—The Infective Tumors, or Granulomata, of the Skin, viz: Tuberculosis, Lupus, Syphilis, Leprosy, Glanders, Actinomycosis. These will be illustrated as far as possible by microscopical preparations.

Professor BAZET—1. Anatomy of the Genito-Urinary Organs. 2. Physiology of the Genito-Urinary Organs. 3. Catheterism and Infection. 4. Acute Urethritis and its treatment. 5. Chronic Urethritis and its treatment. 6. Influence of Congestion on the Diseases of the Genito-Urinary Organs.

II.

The second Special Course begins 15th of March, 1893, and the Extra Lectures will be on the following subjects, and by the following members of the Faculty :

Professor HOPKINS—1. Trachoma and its treatment. 2. Insufficiency of the Ocular Muscles—diagnosis and treatment. 3. Diseases of the Lachrymal Apparatus. 4. The common forms of Cataract and measures for relief. 5. The Ophthalmoscope and its use. 6. The common errors of Refraction and their correction.

Professor MARTIN—Six Lectures on the Larynx and Laryngeal Affections—methods of examination and treatment.

Professor CLARK—1. Diseases of the External Ear. 2. Non-Purulent Catarrh. 3 and 4. Purulent Affections. 5 and 6. Mastoid Disease.

Professor STALLARD—Subject not selected.

Professor ROBINSON—Endometritis, Metritis, Pelvic Cellulitis, Salpingitis.

Professor D'EVELYN—The Heart and its Diseases in Children.

FEES—REGULAR COURSE.

Matriculation, a prerequisite.....	\$ 5.00
For the Entire Regular Course.....	150.00
(To Graduates of the Medical Department of the University of California, this course is \$50.00, and no matriculation fee is charged).	
Diploma, \$25.00. (To Graduates of the Medical Department of the University of California, \$10.00).	

PARTIAL COURSES.

Matriculation, a prerequisite.....	\$5.00
A ticket to any one of the classes of Clinical Lectures and Clinics for six weeks, \$15.00. For each additional six weeks in this same class.....	
	\$10.00

SPECIAL COURSES.

A ticket for a Special Course of Extra Lectures and admission to the Clinical Lectures and Clinics of the lecturers.....	
	\$25.00
A ticket to the Clinical Lectures and Clinics of the Special Course but without the Extra Lectures.....	
	\$25.00

UNIVERSITY OF CALIFORNIA.

COLLEGE OF DENTISTRY.

DONAHOE BUILDING, CORNER OF MARKET AND TAYLOR STREETS, S. F.

FACULTY.

- MARTIN KELLOGG, A.M., Acting President of the University, and *ex-officio* President of the Faculty.
- JOSEPH LeCONTE, M.D., LL.D., Honorary Professor of Biology.
- C. L. GODDARD, A.M., D.D.S., Professor of Mechanical Dentistry, Dental Metallurgy and Orthodontia.
- L. L. DUNBAR, D.D.S., Dean, and Professor of Operative Dentistry and Dental Histology.
- MAURICE J. SULLIVAN, D.D.S., Professor of Dental Pathology and Therapeutics.
- W. E. TAYLOR, M.D., Professor of the Principles and Practice of Surgery.
- A. L. LENGFELD, M.D., Professor of Materia Medica and Medical Chemistry.
- WILLIAM B. LEWITT, M.D., Professor of Anatomy.
- A. A. D'ANCONA, A.B., M.D., Professor of Physiology.
-

LECTURERS, DEMONSTRATORS AND ASSISTANTS.

- CHARLES BOXTON, D.D.S., Lecturer on Mechanical Dentistry.
- J. D. HODGEN, D.D.S., Superintendent of Infirmary.
- H. N. WINTON, M.D., Lecturer on Chemistry.
- HARRY P. CARLTON, D.D.S., Lecturer on Operative Dentistry.
- S. A. HACKETT, D.D.S., Demonstrator of Mechanical Dentistry.
- M. F. GABBS, D.D.S., Demonstrator of Continuous Gum Work.
- W. F. SHARP, D.D.S., D.M.D., Instructor in Anaesthesia.
- J. T. ROWAND, D.D.S., Demonstrator of Crown and Bridge Work.
- JOHN H. BARBAT, PH.G., M.D., Demonstrator of Anatomy.
- O. W. JONES, M.D., Assistant Demonstrator of Anatomy.
- F. O. JACOBS, Instructor in Microscopic Technic.
- EDWARD N. SHORT, D.D.S., Demonstrator of Operative Dentistry.
- CHAS. E. POST, D.D.S., Demonstrator of Mechanical Dentistry.
- J. D. HODGEN, D.D.S., Assistant in Metallurgy.
- H. D. NOBLE, D.D.S., Demonstrator of Orthodontia Technic.

CLINICAL INSTRUCTORS.

J. L. ASAY, M.D.	W. F. LEWIS.
F. W. BLISS, D.D.S.	J. P. PARKER, D.D.S.
GEO. H. CHANCE, D.D.S.	W. E. PRICE, D.D.S.
H. C. DAVIS, L.D.S.	F. J. SAXE, D.D.S.
W. DECROW.	MAX SICHEL.
A. O. HOOKER.	E. L. TOWNSEND, D.D.S.
W. B. KINGSBURY.	L. VAN ORDEN, M.D.
H. E. KNOX, D.D.S.	WILLIAM WOOD.

The session of 1893 begins Monday, September 4th, and ends May 31st, 1894.

The first examination for Matriculation will take place Tuesday, August 29th, 1893.

Graduates in Medicine may apply for the Degree of Doctor of Dental Surgery, after having passed *two* full years of practical instruction or experience in Dentistry, *one* year of which, including one course of lectures, must be spent in this institution.

In accordance with a rule adopted by the National Association of Dental Faculties, requiring three years' attendance of all matriculates, to take effect in 1892, matriculates who are graduates in Medicine will be admitted to the second year without examination.

Graduates of the Dental Department are admitted to the Medical Department as students of the second year without examination.

FEES.

Matriculation (paid but once).....	\$ 5 00
Tuition each year.....	100 00
Practical Anatomy Fee.....	10 00
Special Course (Microscopic Technic) Junior and Senior year, each.....	10 00
Examination Fee (not returnable).....	25 00

For Annual Announcement, address—

L. L. DUNBAR, Dean,
No. 500 Sutter Street, San Francisco.

UNIVERSITY OF CALIFORNIA.

Department of Pharmacy.

CALIFORNIA COLLEGE OF PHARMACY.

Faculty.

MARTIN KELLOGG, A.M., Acting President of the University.

WILLIAM T. WENZELL, M.D., PH.G., PH.M., Professor of Chemistry.

HERMANN H. BEHR, M.D., Professor of Botany.

WILLIAM M. SEARBY, PH.C., Professor of Materia Medica, and Dean.

FREDERICK J. A. GRAZER, M.D., Professor of Pharmacy.

JEROME J. B. ARGENTI, PH.G., Professor of Microscopy and Vegetable Histology.

F. T. GREEN, PH.G., Professor of Analytical and Pharmaceutical Chemistry, and Director of the Laboratories.

JOSEPHINE E. BARBAT, PH.G., Instructor in Botany.

H. E. D. BESTHORN, PH.G., Instructor in Pharmacy.

C. A. SEIFERT, PH.G., Instructor in Materia Medica.

A. E. O'NEILL, PH.G., Instructor in Chemistry.

Laboratory work, for Senior students, and Senior Botany Lectures begin Monday, March 6th. Lecture term, for both Seniors and Juniors, begins Monday, April 10th, 1893. Preliminary examination for Matriculation, Thursday, April 6th, at 9 A. M. Lectures will be delivered on Chemistry, Materia Medica, Botany, Theoretical and Practical Pharmacy, and Microscopy and Vegetable Histology. Laboratory instruction is given to the Senior students in Analytical Chemistry, and to the Juniors in Pharmaceutical Chemistry, in Chemical and Pharmaceutical work, and in every respect efforts will be made to keep pace with the rapid advancement of Pharmaceutical Science.

Every applicant for admission to the regular course for graduation at this College will be required to pass a preliminary examination, or to present a diploma or other satisfactory written evidence that he has passed the highest grammar grade, and is entitled to enter a High School of this State, or has attended some academy of a grade equal to that of our High Schools. Those who do not present such certificates will be examined in English reading and composition, writing, geography and arithmetic.

Graduates in Pharmacy of this College are permitted to present themselves for examination for the degree of Doctor of Medicine in the

Medical Department of the University of California, after attending that school two years instead of three, as required of other students. The fees have also been reduced in like proportion to graduates in Pharmacy.

Graduates of such Medical Colleges as are recognized by the American Medical Association will be permitted to present themselves for examination for the degree of Graduate in Pharmacy after one year's attendance at this College, provided they have complied with all the other conditions for graduation.

For prospectus, etc., address—

W. M. SEARBY, PH.C., *Dean*,
859 MARKET STREET, SAN FRANCISCO, CAL.

UNIVERSITY OF CALIFORNIA.

Departments at Berkeley.

INCLUDING

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|---|---------------------------------------|
| I. COLLEGE OF LETTERS. | 2. COLLEGE OF AGRICULTURE. |
| (a) CLASSICAL COURSE. | 3. COLLEGE OF MECHANICS. |
| (b) LITERARY COURSE. | 4. COLLEGE OF MINING. |
| (c) COURSE IN LETTERS AND
POLITICAL SCIENCE. | 5. COLLEGE OF CIVIL ENGI-
NEERING. |
| 6. COLLEGE OF CHEMISTRY. | |

THE ACADEMIC COUNCIL.

NOTE.—The Academic Council is composed of all the professors and instructors in the College of Letters and the Colleges of Science.

The names, excepting that of the Chairman, are divided into groups of professors, associate professors, assistant professors, and instructors, and arranged alphabetically in each group.

- , President of the University, CHAIRMAN.
- MARTIN KELLOGG, Professor of the Latin Language and Literature,
and Acting President of the University, *President pro tempore*.
- GEORGE WOODBURY BUNNELL, Professor of the Greek Language
and Literature.
- SAMUEL B. CHRISTY, Professor of Mining and Metallurgy.
- CHARLES M. GAYLEY, Professor of the English Language and
Literature.
- FREDERICK G. HESSE, Professor of Mechanical Engineering.
- *EUGENE W. HILGARD, Professor of Agriculture and Agricultural
Chemistry.
- GEORGE H. HOWISON, Mills Professor of Intellectual and Moral
Philosophy and Civil Polity.
- JOSEPH LeCONTE, Professor of Geology and Natural History, and
Honorary Professor of Biology in the College of Dentistry.
- BERNARD MOSES, Professor of History and Political Economy.
- ALBIN PUTZKER, Professor of the German Language and Literature.
- BENJAMIN H. RANDOLPH, Professor of Military Science and
Tactics.
- WILLARD B. RISING, Professor of Chemistry.

* Absent on leave during the academic year 1892-3.

FREDERICK SLATE, Professor of Physics.

FRANK SOULÉ, Professor of Civil Engineering and Astronomy.

IRVING STRINGHAM, Professor of Mathematics.

THOMAS R. BACON, Associate Professor of European History.

CORNELIUS B. BRADLEY, Associate Professor of the English Language and Literature.

ELMER E. BROWN, Associate Professor of the Science and Art of Teaching.

GEORGE C. EDWARDS, Associate Professor of Mathematics.

ISAAC FLAGG, Associate Professor of Classical Philology.

EDWARD L. GREENE, Associate Professor of Botany.

*WM. CAREY JONES, Associate Professor of United States History.

ANDREW C. LAWSON, Associate Professor of Geology.

FÉLICIE V. PAGET, Associate Professor of French and Spanish.

EDWARD J. WICKSON, Associate Professor of Agriculture, Horticulture and Entomology.

CLARENCE L. CORY, Assistant Professor of Mechanical and Electrical Engineering.

MELLEN W. HASKELL, Assistant Professor of Mathematics.

HERMANN KOWER, Assistant Professor of Instrumental Drawing.

ALEXIS F. LANGE, Assistant Professor of English.

R. H. LOUGHRIDGE, Assistant Professor of Agricultural Geology and Agricultural Chemistry.

EDMOND O'NEILL, Assistant Professor of Organic and Physiological Chemistry.

GEORGE M. RICHARDSON, Assistant Professor of Latin.

J. HENRY SENGER, Assistant Professor of German.

HAROLD WHITING, Assistant Professor of Physics.

C. W. WOODWORTH, Assistant Professor of Entomology.

WILLIAM D. ARMES, Instructor in English.

FRANKLIN BOOTH, Instructor in Assaying, and Assistant in Metallurgy.

F. G. BURGESS, Instructor in Topographical and Free-hand Drawing.

G. E. COLBY, Instructor in Viticultural Laboratory.

E. R. DREW, Instructor in Physics.

F. E. HAYNES, Instructor in United States History.

* Absent on leave during the academic year 1892-3.

M. A. HOWE, Instructor in Cryptogamic Botany.

S. D. HUNTINGTON, Instructor in French and Spanish.

M. E. JAFFA, Instructor in Agricultural Laboratory.

ARMIN O. LEUSCHNER, Instructor in Mathematics.

W. E. MAGEE, Instructor in Physical Culture.

L. PAPARELLI, Instructor in Viticulture and Olive Culture.

A. B. PIERCE, Instructor in Mathematics.

HENRY I. RANDALL, Instructor in Civil Engineering.

L. J. RICHARDSON, Instructor in Latin.

W. E. RITTER, Instructor in the Biological Laboratory.

W. J. SHARWOOD, Instructor in Chemistry.

J. A. SLADKY, Superintendent and Instructor in the Mechanical and
Electrical Engineering Laboratories.

L. D. SYLE, Instructor in English.

JAMES SUTTON, Recorder of the Faculties, SECRETARY.

ORGANIZATION OF INSTRUCTION.

GRADUATE COURSES.

To graduates of the University of California, or of other Institutions of equal grade, who may wish to pursue advanced work, general or special, every facility is extended that the libraries, laboratories and collections of the University afford; and, so far as is possible, courses of study will be framed to meet the requirements of such students. These courses may be so constituted as to lead to the degree of Master of Arts, Master of Letters, Master of Science, or Doctor of Philosophy; or to the professional degree of Mechanical Engineer, Mining Engineer, Metallurgical Engineer, or Civil Engineer.

UNDERGRADUATE COURSES.

Eight Regular Courses of study are at present established, leading directly to corresponding degrees, namely:

In charge of the Faculty of the College of Letters:

- I. The *Classical Course*, leading to the degree of A. B.;
- II. The *Literary Course*, leading to the degree of B. L.;
- III. The *Course in Letters and Political Science*, leading to the degree of ¹Ph. B.

In charge, severally, of the respective Faculties of the five Colleges of Sciences:

- IV. The *Course in Agriculture*;
- V. The *Course in Mechanics*;
- VI. The *Course in Mining*;
- VII. The *Course in Civil Engineering*;
- VIII. The *Course in Chemistry*.

Each of which leads regularly to the degree of B. S.

To each of these Regular Courses there pertains an established curriculum of studies, prescribed and elective, arranged in the order of four successive years.

There are permitted, in addition, *Courses at Large* and *Partial Courses*, not leading directly to any degree, but through each of which some one of the above-named degrees is possibly attainable.

More detailed information concerning the conditions of admission, and concerning the College of Letters and the Colleges of Science in general, is contained in the Admission Circular (Bulletin No. 6) and the University Register, either of which will be sent to any address on application to the Recorder of the Faculties, Berkeley, California.

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